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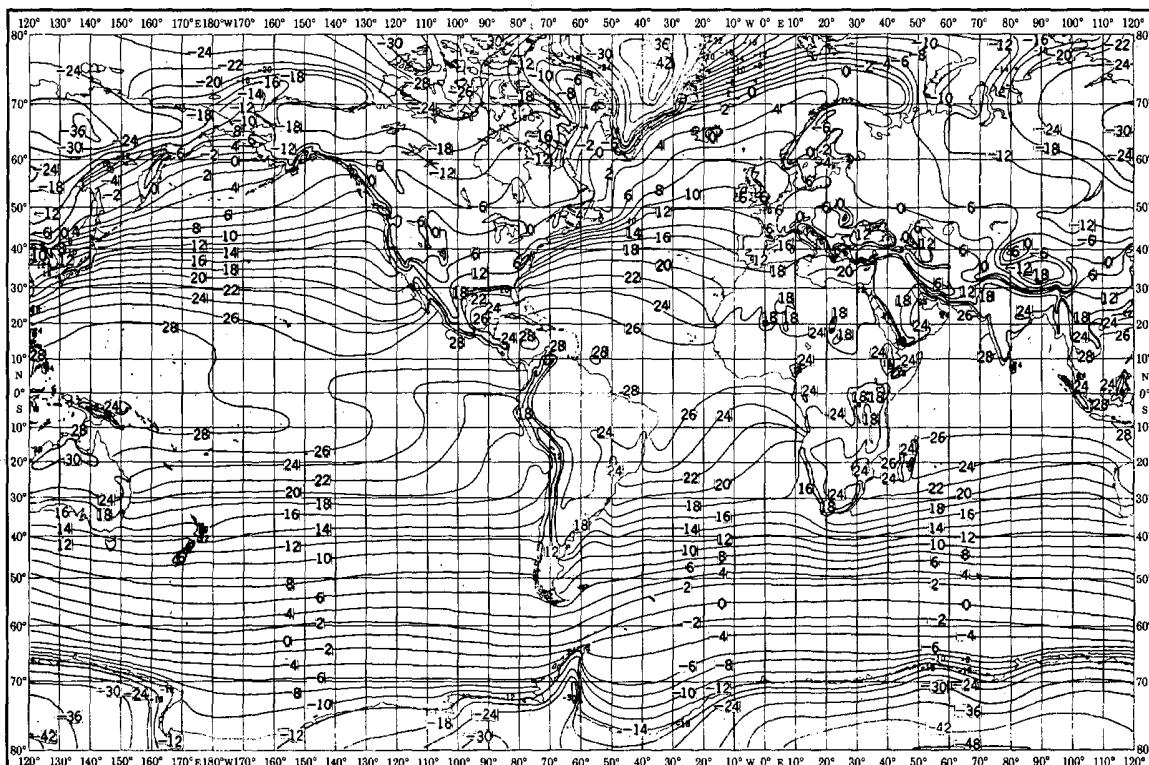


# MONTHLY CLIMATIC DATA FOR THE WORLD

PREPARED IN COOPERATION WITH THE  
WORLD METEOROLOGICAL ORGANIZATION

NOVEMBER

LONG TERM MEAN SURFACE AIR TEMPERATURE (°C)



## PREFACE

Monthly Climatic Data for the World (MCDW) is a publication of monthly summary climatic data from around the world. Data are prepared by Members of the World Meteorological Organization (WMO) for selected stations and exchanged monthly via international telecommunications under provisions of the WMO Technical Regulations, WMO Publications No. 306 (Manual on Codes) and No. 386 (Manual on the Global Telecommunications System). Data used in MCDW are translated from CLIMAT, CLIMAT SHIP, CLIMAT TEMP and CLIMAT TEMP SHIP codes. WMO No. 9 (Weather Reporting), Vol. A - Stations indicates stations that report in these codes. MCDW is sponsored by the WMO in accordance with Resolution 27 of the Second World Meteorological Congress, 1955. Percent of average sunshine was authorized during the Fourth Session (Stockholm 1965) of the WMO Commission for Climatology and recorded in the General Summary of the Report - WMO NO.177.RP.65. It is published by the United States National Oceanic and Atmospheric Administration.

## REFERENCE NOTES

Names of countries (areas) and stations are those used in WMO Publication No. 9, Vol. A - Stations, except that long names may be shortened. Only those stations authorized as contributors by the WMO in VOLUME A are published. "Means" and "totals" mentioned below are monthly summary means and totals. Units abbreviations: celsius = °C, degrees = °, geopotential meters = gpm, meters = m, millibars (hectopascals) = mb, millimeters = mm, minutes = ', percent = %.

The long term surface data averages required for these tables were calculated for 1951 - 1980 from data received at the National Climatic Data Center during those years. Six years of data were considered to be the minimum for calculations.

Departures are differences between data and the averages for that month. Precipitation departure of "T" or "-T" indicates a difference less than 0.5 mm from average.

Provisional upper air normals, although not published in this bulletin, can be obtained from WMO Pub. No. 170. A description of procedures used by Members appeared in Monthly Climatic Data for the World, 1967 Supplement -- computation of CLIMAT TEMP values.

Late reports and corrections are published when received, except that data more than five years old are not published. The Corrections sections include corrections to past data. In these, "M" indicates the data should be deleted. Some late reports of pre-1987 data may appear in the Corrections sections, beginning in the January 1987 issue. This may continue in later issues until pre-1987 data are no longer received or until they become five years old.

The data received by the publisher often contain errors. A reasonable effort is made to correct errors; but some may appear in the publication, especially if the errors are subtle or were part of a large group of errors.

The station list appears at the back of the publication. In January and July, all CLIMAT (C) and CLIMAT TEMP (T) stations from WMO Pub. No. 9, Vol. A are listed. This is the complete published station set. In other months, the list contains only those stations from which data no more than two months old have been recently received.

## SURFACE DATA TABLES

DAYS OBS.: The number of days on which observations were taken. Column will be blank if days are not reported.  
PRESSURE: Mean station pressure at station level and sea level in tenths of mb. In the sea level pressure column, Y or Z indicates the number is the mean height in gpm of the 850 mb or 700 mb pressure surface, respectively.  
TEMPERATURE: Mean temperature and departure from average value in degrees C. "S" indicates sea surface temperature.  
DAYS 1 MM: The number of days on which precipitation was 1 mm or more.  
PRECIPITATION: Total precipitation and departure from average in mm. "T" indicates an amount less than 0.5 mm.  
QUINTILE: Frequency group of precipitation totals. Group numbers are 0 - 6. Groups 0 and 6 are for totals less than and greater than any recorded in the 1951 - 1980 reference period.  
% OF AV.: Sunshine total hours expressed as a percentage of long-term average.

In January 1987, the "Sunshine" column was changed to include both total sunshine in hours and the percentage of long-term average.

Included in this publication on an interim basis are a group of US surface stations that are not in WMO No. 9. These stations will be sponsored as CLIMAT stations in the near future.

## UPPER AIR DATA TABLES

HEIGHT: Mean height of pressure surfaces in gpm. Asterisk (\*) indicates station elevation.  
VECTOR WIND: Direction of mean vector wind in degrees, speed in mps. Double asterisk (\*\*) is wind speed < 0.5 mps. When missing days equals 9, nine or more days of wind data are missing.  
STEADINESS: Ratio of mean vector wind speed to mean scalar wind speed.  
OB: Observation time code: 1 = 0000 GMT, 2 = 1200 GMT, 3 = 0000 and 1200 GMT, / = other hours.

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## PUBLICATION STAFF

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
<b>EUROPE</b>	0°	0°	#	#	mb	mb	°C	°C	mb	mb	#	mm	mm	hr	%
<b>NORWAY</b>															
JAN MAYEN	7056N	00840W	9	1005.4	1006.6	-2.1	0.6	4.3	0.6	10	63	-10	3		
SVALBARD LUFTHAVN	7815N	01528E	29	1004.4	1008.1	-10.3	2.1			7	16				
TROMSO/LANGNES	6941N	01855E	10	1008.9	1010.1	-1.7	-1.4	4.1	-0.2	12	77	-19	2		
BJORNOYA	7431N	01901E	14	1005.4	1007.2	-2.4	0.8	4.5	0.8	11	33	-1	3		
VARDO	7022N	03106E	15	1008.7	1010.5	-2.9	-1.7	4.3	-0.3	8	52	5	4		
BODO VI	6716N	01422E	13	1008.9	1010.4	1.9	0.6	3.9	-0.9	10	73	-23	2		
ORLAND III	6342N	00936E	7	1009.9	1011.0	3.3	0.5	6.5	0.6	11	43	-58	1		
OSLO/GARDERMOEN	6012N	01105E	204	988.1	1013.4	-1.3	0.1	5.2	0.6	13	116	24	4		
STAVANGER/SOLA	5853N	00538E	9	1011.1	1012.2	4.9	0.2	7.3	0.5	15	124	-7	3		
<b>SWEDEN</b>															
KARESUANDO	6827N	02230E	327	972.4	1013.5	-9.0	-0.4	3.0	-0.1	7	23	-9	2		
GUNNARN	6501N	01741E	281	878.8	1013.8	-3.7		4.2		14	58		5		
HAPARANDA	6550N	02409E	6	1014.6	1015.4	-4.5	-0.3	3.8	-0.3	6	17	-42	1		
OSTERSUND/FROSON	6311N	01430E	366	968.6	1013.8	-1.3	0.9	5.2	0.7	8	28	-14	2		
HARNOSAND	6238N	01757E	8	1012.7	1013.7	1.6	2.0	5.9	0.8	12	162	77	5		
KARLSTAD FLYGPLATS	5922N	01328E	55	1006.4	1013.3	1.2	-0.5	6.1	-0.1	8	72	-1	3		
STOCKHOLM/BROMMA	5921N	01757E	11	1006.8	1013.1	2.9	0.3	7.3	1.0	12	61	10	4		
GOTEBORG/SAVE	5747N	01153E	53	1006.8	1013.4	3.6	-0.8	7.4	0.2	10	67	-10	2		
JONKOPING FLYGPLATS	5746N	01405E	232	984.2	1012.9	1.0	-1.6	6.3	-0.3	9	40	-15	2		
VISBY FLYGPLATS	5740N	01821E	47	1007.1	1013.0	4.1	-0.3	7.6	0.5	10	55	2	4		
<b>FINLAND</b>															
SODANKYLA	6722N	02639E	179	992.7	1015.9	-8.8	-1.4	3.0	-0.4	3	12	-26	1		
KAJAANI	6417N	02741E	136	998.5	1016.0	-6.1	-2.4	3.8	-0.6	7	18	-21	1		
VAASA	6303N	02146E	4	1012.4	1013.5	-1.3	-0.4	5.1	-0.1	11	38	-10	2		
JYVASKYLA	6224N	02541E	145	996.0	1014.5	-3.7	-1.6	4.5	-0.5	14	56	0	4		
JKOKIOINEN	6049N	02330E	103	1000.8	1013.8	-0.7	-0.4	5.4	-0.2	7	38	-15	2		
TURKU	6031N	02216E	59	1006.1	1013.5	0.6	0.0	5.8	-0.1	10	54	-8	4		
HELSINKI-VANTAA	6019N	02458E	56	1006.8	1013.9	-0.5	-1.0	5.3	-0.4	12	55	-13	2		
<b>UNITED KINGDOM</b>															
LERWICK	6008N	00111W	84	1010.4	1011.4	6.1	0.7	8.4	0.8	20	113	-23	2	33	100
STORNOWAY	5813N	00619W	13	1012.6	1012.8	7.0	0.7	8.7	0.4	14	88	-40	1	35	78
ABERDEEN/DYCE	5712N	00213W	65	1012.6	1013.4	5.3	0.1	7.8	0.4	11	51	-28	2	62	105
TIREE	5630N	00653W	12	1013.8	1013.9	8.0	0.6	9.0	0.1	16	102	-21	2	49	105
EDINBURGH AIRPORT	5557N	00321W	41	1014.2	1014.7	6.3	0.5	7.9	0.0	11	26	-38	1	61	115
ESKDALEMUIR	5519N	00312W	242	1012.5	1015.5	4.7	0.4	7.6	0.2	16	123	-30	3	61	122
LEEMING	5418N	00132W	40	1015.3	1015.7	6.3	0.1	8.1	0.1	11	51	6	4	47	
VALLEY	5315N	00432W	11	1016.3	1016.4	8.1	-0.2	9.0	-0.1	11	73	-32	2	75	125
MANCHESTER AIRPORT	5321N	00216W	78	1015.5	1016.4	6.8	0.3	8.4	0.2	12	59	-18	3	40	93
WADDINGTON	5310N	00031W	70	1015.3	1016.2	6.3	0.2	8.4	0.0	11	37	-19	2	46	77
BIRMINGHAM/AIRPORT	5227N	00144W	99	1015.8	1017.0	6.3	0.0	8.2	-0.1	10	58	-4	4	39	75
CARDIFF-WALES AIRPORT	5124N	00321W	67	1016.7	1017.5	7.5	0.2	9.1	0.1	11	110	11	4	64	
LONDON/GATWICK AIRPORT	5109N	00011W	62	1016.4	1017.1	6.8	0.4	8.7	-0.1	9	72	-11	3	51	
PLYMOUTH/MOUNT BATTEN	5021N	00407W	27	1017.7	1018.0	8.7	0.0	9.6	-0.4	11	115	7	4	87	130
BOURNEMOUTH AIRPORT	5047N	00150W	11	1017.5	1017.6	7.0	-0.2	8.8	-0.2	8	81	-7	3	67	
BELFAST/ALDERGROVE AIRPORT	5439N	00613W	81	1014.9	1015.7	6.8	0.5	8.6	0.2	12	67	-13	2	58	109
<b>IRELAND</b>															
VALENTIA OBSERVATORY	5156N	01015W	14	1016.3	1018.0	9.0	0.2	9.7	-0.3	14	94	-57	1	70	120
CORK AIRPORT	5151N	00829W	162	998.1	1017.9	7.5	0.3	9.2	-0.2	10	74	-37	2	69	
SHANNON AIRPORT	5242N	00855W	20	1015.1	1017.5	7.9	0.4	9.2	-0.3	13	70	-28	2	68	110
DUBLIN AIRPORT	5326N	00615W	85	1006.2	1016.6	7.2	0.1	8.8	0.1	10	48	-21	2	51	80
BELMULLET	5414N	01000W	10	1014.8	1016.0	8.2	0.5	9.3	0.1	17	91	-43	1	49	85
MALIN HEAD	5522N	00720W	25	1011.7	1014.8	8.3	0.7	9.1	0.4	14	68	-49	1	48	95
<b>ICELAND</b>															
KEFLAVIK	6358N	02236W	54	998.2	1004.8	4.4	2.4	7.5	1.1	17	114	2	4		
REYKJAVIK	6408N	02154W	61	997.7	1005.2	4.2	2.6	6.8	1.0	16	89	10	4	21	66
AKUREYRI	6541N	01805W	27	1002.1	1005.5	3.9	3.7	6.0	0.9	4	34	-19	2	12	92
HJARDARNES	6415N	01511W	12	1005.1	1006.4	3.8	2.0	6.7	1.4	14	113	-22	3		
<b>DENMARK</b>															
EGEDESMINDE	6842N	05245W	47 30	997.6	1003.7	-5.0	0.8	3.5	0.6	12	49	18	5		

EUROPE-DENMARK

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN mb	STATION mb	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	TOTAL hr
EUROPE	0°	0°	m	m												
DENMARK																
GODTHAB	6410N	05145W	48	30	1000.0	1003.5	-3.5	-2.3	3.6	0.1	9	110	38	4		
DANMARKSHAVN	7646N	01840W	12	30	1010.9	1012.6	-22.2	-2.7	0.6	-0.2	0	2	-9	1		
ANGMAGSSALIK	6536N	03738W	52	30	999.7	1004.2	-1.6	2.8	4.4	1.0	17	134	41	5		
THORSHAVN	6201N	00646W	39	30	1006.5	1009.5	6.5	1.5	9.0	1.6	19	109	-50	2	14	64
ALBORG	5706N	00952E	3	30	1012.0	1012.4	4.8	0.4	7.8	0.0	13	60	-9	2		
KOBENHAVN/LANDBOHOJSKOLEN	5541N	01233E	9	30	1011.8	1012.4	6.1	0.6	8.3	0.3	15	85	24	4		150
RONNE	5504N	01445E	16	30	1011.2	1013.2	5.4	0.0	7.7		15	76	24	5		
NETHERLANDS																
DE BILT	5206N	00511E	4		1015.1	1015.6	6.8	1.0	8.4	0.4	15	93	16	4	35	70
BELGIUM																
UCCLE	5048N	00421E	104	30	1003.4	1015.8	6.0	0.0	8.6	0.6	12	106	29	4	45	83
LUXEMBOURG																
LUXEMBOURG/LUXEMBOURG	4937N	00613E	379		970.9	1016.8	4.4	0.2	7.6	0.2	14	92	18	3	49	100
SWITZERLAND LIECHTENSTEIN																
ZURICH (TOWN/VILLE)	4723N	00834E	569	30	950.7	1018.9	5.0	1.1	7.5	0.5	12	61	-19	3	40	79
SAENTIS	4715N	00921E	2500	30	746.8	3011.2	-2.9	1.3	3.2	-0.1	14	202	37	4	107	83
GENEVE-COINTRIN	4615N	00608E	416	30	968.6	1018.7	6.2	1.1	7.7	0.7	11	59	-38	2	95	
LUGANO	4600N	00858E	276	30	982.9	1016.2	8.3	1.1	7.9	0.2	6	68	-88	2	103	94
FRANCE																
CHERBOURG	4939N	00128W	138		1000.9	1017.7	7.8	-0.4	9.0	-0.2	14	100	-18	2	71	
BREST/GUIPAVAS	4827N	00425W	103		1005.7	1018.4	8.5	-0.3	9.1	-1.0	13	114	-19	3	101	136
PARIS/LE BOURGET	4858N	00227E	65		1009.2	1017.3	6.6	0.0	8.3	-0.5	8	46	-9	2	66	125
NANCY/ESSEY	4841N	00613E	217		991.7	1018.2	5.7	0.7	8.0	0.2	13	48	-16	2	37	69
STRASBOURG	4833N	00738E	154		999.0	1018.0	5.8	0.9	8.0	0.3	12	37	-11	2	41	84
NANTES	4710N	00136W	27		1015.2	1018.6	8.3	0.3	9.8	-0.1	6	52	-38	2	85	112
BOURGES	4704N	00222E	166		997.5	1017.8	6.3	-0.2	9.2	0.7	13	69	7	4	64	98
DIJON	4716N	00505E	227		989.9	1017.8	5.7	0.3	8.7	0.9	13	58	-8	3	54	76
LIMOGES	4552N	00111E	402		970.3	1018.6	6.2	-0.3	8.2	0.1	14	111	18	4	86	110
LYON/BRON	4543N	00457E	201		994.0	1018.5	7.2	0.8	8.9	0.7	9	68	-8	2	59	91
BORDEAUX/MERIGNAC	4450N	00042W	61		1011.2	1018.8	8.7	0.4	10.5	0.7	12	101	5	3	92	110
TOULOUSE/BLAGNAC	4338N	00122E	153		1000.4	1019.1	8.9	0.8	9.7	0.4	6	40	-15	2	82	88
NIMES/COURBESSAC	4352N	00424E	62		1009.3	1017.0	9.8	0.3	8.9	0.2	6	123	54	5	162	117
MARSEILLE/MARIGNANE	4327N	00513E	36		1011.2	1015.6	9.8	-0.5	10.0	0.4	5	59	-4	3	165	112
NICE	4339N	00712E	10		1013.0	1014.2	12.2	0.7	10.1	0.3	6	71	-62	2	161	108
PERPIGNAN	4244N	00252E	48		1012.4	1018.4	11.5	0.3	9.3	-0.2	5	22	-31	3	150	96
AJACCIO	4155N	00848E	9		1013.2	1013.8	12.3	0.3	12.6	1.1	11	146	48	5	150	109
SPAIN																
LA CORUNA	4322N	00825W	67		1012.3	1020.4	13.3	1.1	12.1	0.3	12	109	-20	2	98	87
VALLADOLID	4139N	00446W	735		933.7	1020.6	8.0	0.9	8.6	0.7	2	14	-37	2	114	86
ZARAGOZA/AEROPUERTO	4140N	00101W	258		986.6	1017.9	10.2	0.7	9.6		5	58	23	5	164	110
BARCELONA/AEROPUERTO	4117N	00204E	6		1015.3	1016.1	12.4		10.4		3	54	4	153	105	
MADRID	4025N	00341W	667		942.5	1020.4	9.9	0.9	9.1	0.7	8	65	10	4	160	98
PALMA DE MALLORCA/SON SAN J.	3933N	00244E	8		1015.9	1016.8	13.2	-3.6	12.6		6	69	-84	1	179	105
MENORCA/MAHON	3952N	00414E	82		1006.5	1016.5	14.4	0.1	13.3	1.1	12	97	2	4	132	95
BADAJOZ	3853N	00658W	195		998.1	1019.1	11.8	-0.5	11.1	-0.2	6	47	-18	3	185	110
ALICANTE	3822N	00030W	82		1007.9	1017.7	15.0	0.1	11.7	0.2	4	102	63	5	166	90
SEVILLA/TABLADA	3722N	00600W	14		1016.0	1017.7	14.1	-0.2	13.0	1.0	5	63	-15	3	192	113
ALMERIA/AEROPUERTO	3651N	00223W	21		1014.1	1016.6	16.5		12.3		1	14	2	192	100	
GIBRALTAR																
GIBRALTAR	3609N	00521W	5		1018.2	1018.6	16.1	0.2	14.1	0.0	7	261	134	5	158	111
PORTUGAL																
HORTA (ACORES)	3831N	02838W	62		1013.2	1020.5	17.0		15.6		12	96	3	152	145	
PONTA DELGADA (ACORES)	3745N	02540W	36		1017.0	1021.3	17.0		15.9		8	87	5	134	140	
SANTA MARIA (ACORES)	3658N	02510W	100		1009.2	1021.2	16.7	-0.3	14.6	-0.2	8	160	76	5		
LISBOA	3843N	00909W	95		1009.7	1021.1	14.7		12.6		10	65	3	158	90	
PORTO/SERRA DO PILAR	4108N	00836W	100		1007.8	1019.9	12.9		11.3		7	45	1	132	90	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
EUROPE	0°	0°	0	mb	mb	mb	°C	°C	mb	mb	mb	mm	mm	mm	hr	%
GERMAN DEMOCRATIC REPUBLIC																
WARNEMUENDE	5411N	01205E	10	1012.6	1013.8	6.3	1.1	8.6	0.6	11	54	2	4	27	55	
GREIFSWALD	5406N	01324E	6	1013.0	1013.8	5.4	0.9	8.1	0.4	12	61	15	4	20	35	
POTSDAM	5223N	01304E	100	1003.1	1015.4	5.5	1.3	7.9	0.4	12	82	37	6	14	25	
LINDENBERG	5213N	01407E	112	1001.2	1015.1	5.3	1.2	8.0	0.6	12	82	41	6	9	15	
LEIPZIG-SCHKEUDITZ	5125N	01214E	133	999.4	1015.8	5.1	0.6	7.8	0.4	10	52	15	5	18	40	
DRESDEN-KLOTZSCHE	5108N	01347E	226	988.2	1016.1	5.2	0.6	7.5	0.2	14	79	17	4	12	15	
GOERLITZ	5110N	01457E	238	986.7	1016.0	4.8	0.9	7.6	0.5	10	65	19	4	9	10	
MEININGEN	5034N	01023E	453	961.6	1017.0	3.1	-	6.9	-	13	64	-	-	-	17	
ERFURT-BINDERSLEBEN	5059N	01058E	323	977.1	1016.8	4.0	0.4	7.3	0.3	14	51	16	4	24	45	
FICHTELBERG	5026N	01257E	1215	874.8	1444	-0.5	0.5	5.5	0.3	16	101	8	4	29	55	
GERMANY, FEDERAL REPUBLIC OF																
SCHLESWIG	5432N	00933E	48	1007.7	1013.6	6.0	1.2	8.7	0.7	14	90	-11	3	27	59	
HAMBURG-FUHLSBUETTEL	5338N	01000E	16	1012.4	1014.4	6.8	1.8	8.9	1.0	13	89	25	4	18	41	
EMDEN-HAFEN	5321N	00712E	12	1012.8	1014.3	7.1	1.5	8.9	0.7	12	92	15	4	28	55	
HANNOVER	5228N	00942E	54	1008.5	1015.2	6.3	1.3	8.6	0.8	12	60	8	4	126	242	
BERLIN-TEMPELHOF	5228N	01324E	49	1008.8	1014.9	6.2	1.4	8.3	1.0	13	71	24	5	14	-	
ESSEN	5124N	00658E	161	996.2	1016.1	5.7	0.0	8.4	0.5	13	122	44	5	26	49	
KASSEL	5118N	00927E	233	987.4	1016.0	4.9	0.2	7.7	0.4	12	62	10	4	11	22	
GEISENHHEIM	4959N	00757E	120	1001.4	1016.2	5.9	0.7	7.9	0.5	12	52	3	3	33	83	
STUTTGART/SCHNARRENNBERG	4850N	00912E	311	979.5	1017.4	5.3	0.6	7.7	0.6	13	53	2	3	62	-	
NUERNBERG	4930N	01105E	312	979.3	1017.4	4.6	0.7	7.3	0.3	13	42	1	3	35	65	
MUENCHEN-RIEM	4808N	01142E	529	953.8	1017.6	3.7	0.5	7.3	0.7	15	58	1	3	46	75	
KONSTANZ	4741N	00911E	447	963.8	1017.7	5.2	-	7.8	-	11	50	4	4	43	85	
ZUGSPITZE	4725N	01059E	2962	703.7	3003	Z -7.6	-0.6	2.7	0.0	15	260	116	5	98	72	
AUSTRIA																
ST. POELTEN	4812N	01537E	282	982.9	1017.5	4.5	0.8	7.4	0.6	10	55	4	3	58	115	
WIEN/HOHE WARTE	4815N	01622E	209	991.5	1017.0	5.5	0.6	7.5	0.1	9	31	-19	2	47	85	
INNSBRUCK-FLUGHAFEN	4716N	01121E	598	946.8	1018.1	4.3	1.0	6.9	0.8	13	87	28	5	73	85	
SONNBLICK	4703N	01257E	3107	690.3	2994	Z -8.1	-0.2	2.3	-0.4	21	217	87	5	70	63	
SALZBURG-FLUGHAFEN	4748N	01300E	450	964.1	1017.4	4.5	0.9	7.0	0.4	12	73	2	4	55	79	
KLAGENFURT-FLUGHAFEN	4639N	01420E	452	963.0	1018.4	2.6	0.3	6.8	0.3	14	156	70	5	33	61	
GRAZ-THALERHOF-FLUGHAFEN	4700N	01526E	347	975.4	1017.9	3.4	0.2	7.4	0.7	15	109	48	5	61	87	
CZECHOSLOVAKIA																
CHEB	5005N	01224E	471	959.6	1017.0	3.3	0.8	6.9	0.5	11	42	7	4	14	32	
PRAHA/RUZYNE	5006N	01417E	369	971.6	1016.7	3.9	0.8	7.0	0.4	4	20	-8	3	36	73	
PRAHA-LIBUS	5000N	01427E	304	979.6	1016.8	4.9	1.3	7.0	0.4	6	25	-5	3	27	-	
BRNO/TURANY	4909N	01642E	246	986.8	1017.0	4.8	1.0	7.2	0.3	7	24	-11	2	36	68	
OSTRAVA/MOSNOV	4941N	01807E	256	985.1	1016.7	4.5	0.6	7.2	0.3	5	47	1	4	23	42	
SLIAC	4838N	01909E	318	978.3	1017.4	3.5	0.0	6.0	-0.8	10	66	0	3	45	80	
POPRAD/TATRY	4904N	02015E	707	932.2	-	2.3	0.8	5.9	0.1	8	73	32	5	76	89	
POLAND																
ELBLAG	5410N	01926E	43	1009.0	1014.3	4.1	-	7.4	-	17	96	-	-	-	-	
SZCZECIN	5324N	01437E	3	1013.4	1014.2	5.6	1.3	8.2	0.6	12	59	17	5	-	-	
BIALYSTOK	5306N	02310E	151	997.1	1015.9	2.6	0.4	6.8	0.1	12	44	1	4	-	-	
POZNAN	5225N	01650E	92	1004.2	1014.6	4.8	1.1	7.8	0.6	12	74	37	5	-	-	
WARSZAWA-OKECIE	5210N	02058E	107	1002.5	1015.8	4.0	0.7	7.4	0.4	10	45	5	4	-	-	
WROCŁAW II	5106N	01653E	121	1000.9	1015.9	5.1	1.0	7.8	0.6	8	49	9	4	-	-	
WLADAWA	5133N	02332E	179	994.7	1016.9	3.3	-	7.2	-	12	45	-	-	-	-	
PRZEMYSŁ	4948N	02246E	280	983.0	1017.6	4.3	0.7	7.3	0.8	13	42	-3	3	-	-	
HUNGARY																
MISKOLC	4808N	02048E	119	1002.0	1017.2	4.6	0.4	7.6	0.5	7	43	-6	3	55	93	
BUDAPEST/METEOROLOGIA	4731N	01902E	129	1001.2	1017.1	6.2	0.2	7.5	0.1	8	50	-13	3	39	65	
BUDAPEST/LORINC	4726N	01911E	139	999.6	1017.0	5.4	0.2	7.6	0.1	7	42	-13	3	40	61	
DEBRECEN	4729N	02138E	112	1002.7	1017.2	5.4	0.5	7.9	0.6	10	55	8	4	-	-	
PECS	4600N	01814E	203	992.3	1017.1	5.6	-0.1	7.9	0.6	15	75	15	4	61	90	
SZEGED	4615N	02006E	83	1007.0	1017.3	6.1	0.5	8.0	0.3	13	50	7	4	55	70	
YUGOSLAVIA																
LJUBLJANA/BEZIGRAD	4604N	01431E	316	979.3	1018.0	4.4	-	7.7	-	12	226	5	43	95	-	
ZAGREB/GRIC	4549N	01559E	162	997.3	1017.2	5.8	-0.8	7.7	0.1	12	147	61	5	51	90	

EUROPE-YUGOSLAVIA

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN mb	STATION	MEAN mb	SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL	% OF AV.
EUROPE	0°	0°	0												
YUGOSLAVIA															
BEOGRAD	4448N	02028E	132	1000.8	1016.9	8.1	0.9	8.5	1.3	12	100	44	6	65	75
SPLIT/MARJAN	4331N	01626E	128	999.2	1014.5	13.2	0.9	9.1	0.0	8	80	-37	1	127	
TITOGRAD/GOLUBOVCI	4222N	01915E	33	1009.2	1015.3	12.2	1.5	10.2	1.5	13	288	51	4	96	82
SKOPJE-PETROVAC	4158N	02139E	239			7.4	0.4			7	52	-1	4	83	
ROMANIA															
BISTRITA	4709N	02431E	367	973.5	1018.2	4.6	0.9	8.0	1.2	11	61	13	4	190	28
IASI	4710N	02738E	104	1005.4	1018.2	5.7	1.3	7.5	0.2	5	47	7	4		
CLUJ-NAPOCA	4647N	02334E	413	967.5	1017.5	4.5	0.7	7.8	1.1	14	61	31	5	390	46
TIMISOARA	4546N	02115E	88	1006.9	1017.7	7.1	1.1	8.6	0.8	12	71	21	5		
SIBIU	4548N	02409E	444	964.2	1017.9	4.9	0.6	7.5	0.5	9	58	21	5		
SULINA	4509N	02940E	9	1016.8	1017.9	8.3	0.6	10.2	0.6	6	31	1	4	391	52
BULGARIA															
LOM	4349N	02315E	33	1013.8	1017.9	6.9	-0.2	8.5		7	83	18	4	51	75
VARNA	4312N	02755E	43	1012.8	1018.0	9.2	1.0	9.8		9	28	-32	0	75	80
SOFIA (OBSERV.)	4239N	02323E	595	947.4	1018.1	6.2	0.4	7.6		9	88	36	5	74	90
BURGAS	4229N	02729E	28	1014.7	1018.1	9.9	0.2	10.3		6	41	-28	2	97	125
ITALY															
PISA/S. GIUSTO	4341N	01023E	1	1013.7	1014.4	11.5	1.0	10.8	0.8	10	212	87	5	122	115
PESCARA	4226N	01412E	11	1012.6	1013.8	12.3	1.5	11.4	1.3	9	120	54	5	83	85
NAPOLI/CAPODICHINO	4051N	01418E	72	1006.1	1014.8	12.9	0.6	11.3	-0.1	13	265	112	5	124	105
BRINDISI	4039N	01757E	10	1012.9	1014.1	15.0	0.9	13.1	-0.2	11	231	165	5	125	95
MARINA DI GINOSA	4026N	01653E	12	1012.1	1013.7	13.1	0.3	11.2	-0.8	9	58	8	4		
MESSINA	3812N	01533E	51	1008.1	1014.5	17.0	0.8	13.9	0.9	15	153	55	5	137	105
TRAPANI/BIRGI	3755N	01230E	14	1014.1	1015.2	16.5	0.9	15.1	1.1	9	90	28	5	148	90
CATANIA/FONTANAROSSA	3728N	01503E	17	1012.6	1014.7	15.3	1.0	12.6	0.6	7	67	23	4		
TURKEY															
SAMSUN	4117N	03620E	4	1018.2	1018.6	12.5	-0.2	10.2	0.1	8	78	-2	3		13
EDIRNE	4140N	02634E	48	1011.8	1018.0	10.4	1.0	10.6	1.4	7	117	49	5	21	22
ISTANBUL/GOZTEPE	4058N	02905E	40	1014.2	1018.2	12.2	0.4	11.1	0.6	11	96	11	4	23	21
KASTAMONU	4122N	03346E	799	925.9	1020.4	4.2	-1.4	6.6	-0.3	4	18	-6	2	35	26
SIVAS	3945N	03701E	1285	875.9	1023.8	3.6	-1.3	6.0	0.0	8	68	35	5	53	38
ERZINCAN	3944N	03930E	1215	883.2	1024.2	2.8	-2.7	6.1	-0.1	6	66	33	5	66	44
CANAKKALE	4008N	02624E	3	1017.6	1018.2	12.5	0.4	12.3	1.0	9	74	-21	3		29
BURSA	4011N	02904E	100	1006.8	1018.8	10.9	0.0	9.6	0.1	11	89	11	4	40	32
ANKARA/CENTRAL	3957N	03253E	894	915.8	1020.4	6.4	-0.9	7.0	0.1	4	26	-1	3	63	40
AFYON	3845N	03032E	1034	900.7	1020.5	6.0	-1.0	7.4	0.3	7	51	23	5	57	40
IZMIR	3826N	02710E	25	1015.0	1018.0	13.4	-0.9	10.4	-0.8	10	167	81	5	57	40
ISPARTA	3745N	03033E	997	904.4	1020.2	5.9	-1.9	6.6	-0.5	11	68	23	5		41
URFA	3708N	03846E	547	954.6	1018.6	12.3	-0.4	8.9	0.6	5	68	27	5	124	66
DIYARBAKIR	3753N	04011E	677	941.7	1020.4	8.0	-1.6	7.7	-0.4	5	47	-4	3	116	68
MUGLA	3712N	02821E	646	942.5	1018.2	8.8	-1.9	8.3	-0.9	10	168	36	4	84	51
ANTALYA	3642N	03044E	57	1011.1	1016.2	13.0	-2.4	10.3	-1.0	7	84	-23	3	114	58
ADANA	3659N	03518E	20	1016.4	1018.8	14.9	10.8			6	71	4			58
USSR															
MURMANSK	6858N	03303E	46	1008.0	1014.5	-6.5	-1.6	3.2	-0.5	6	33	-4	4		
KANIN NOS	6839N	04318E	49	1007.3	1013.6	-2.9	-1.1	4.1	-0.3	6	23	-17	1		
ARHANGEL'SK	6435N	04030E	13	1018.7	1019.7	-10.6	-5.8	2.9	-1.2	13	38	-7	2		
REBOLY	6349N	03049E	181	993.6	1017.1	-7.6	-3.4	3.1	-1.4	10	36	-7	2		
VYTEGRA	6101N	03627E	59	1011.0	1018.3	-7.2	-4.8	3.4	-1.4	16	75	12	4	25	120
TALLIN	5929N	02448E	44	1009.9	1014.2	0.8	-0.1	5.7	-0.3	11	49	-8	2		
LENINGRAD (TOWN/VILLE)	5958N	03018E	4	1014.9	1015.7	-2.0	-1.9	4.7	-1.5	15	56	3	4	35	165
VELIKIE LUKI	5623N	03036E	98	1003.4	1016.5	-0.6	-0.3	5.2	-0.5	15	46	4	4	19	55
KAUNAS	5453N	02353E	75	1008.0	1017.6	2.2	0.1	6.6	-0.1	14	41	-9	2	50	135
VOLOGDA	5917N	03952E	118	1003.0	1020.0	-8.6	-5.0	3.0	-1.7	6	24	-13	1	40	155
KIROV	5839N	04937E	164	1001.5	1023.4	-11.0	-5.6	2.3	-1.8	10	42	-2	3	44	140
KAZAN'	5547N	04911E	64	1008.9	1024.5	-8.7	-4.7	2.9	-1.6	7	17	-20	1	56	15
MOSKVA	5545N	03734E	156	1000.3	1020.2	-3.6	-1.8	4.1	-1.1	12	51	2	4		
KIEV	5024N	03027E	179	998.0	1019.0	2.2	0.3	6.5	0.0	12	56	5	3		
L'VOV	4949N	02357E	325	978.0	1017.3	4.8	2.2	7.2	0.6	14	43	-5	3		
ODESSA	4629N	03038E	64	1014.0	1019.2	6.0	0.1	8.4	0.4	7	58	9	4	18	5

EUROPE-USSR

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE		
EUROPE	0°	0°	m	m	mb	mb	°C	°C	mb	mb	m	mm	mm	hr	%	
USSR																
SIMFEROPOL'	4501N	03359E	205	996.3	1018.4	6.4	0.0	8.6	0.6	6	20	-24	1	80	70	
VORONEZ	5142N	03910E	164	1003.0	1022.0	-2.7	-2.1	4.4	-1.4	8	37	-7	3	57	90	
SARATOV	5134N	04602E	156	999.4	1025.3	-6.6	-4.3	3.6	-1.6	9	24	-7	3	60	150	
HAR'KOV	4956N	03617E	152	1001.9	1021.2	0.1	-1.2	5.6	-0.7	7	42	1	4	36	65	
ROSTOV-NA-DONU	4715N	03949E	77	1012.9	1021.3	2.8	-0.3	6.6	-0.6	11	39	-10	3	42	55	
ASTRAHAN'	4616N	04802E	18	1025.0	1027.7	1.6	-1.0	5.9	-1.0	6	31	17	5	71		
PJATIGORSK	4403N	04302E		957.1	1022.3	3.5	0.2	7.0	0.4	8	38	13	5	52		
TBILISI	4141N	04457E	490	972.1	1023.8	7.3	-0.6	7.3	-0.4	4	25	-4	3			
ISRAEL																
BEN-GURION INT. AIRPORT	3200N	03454E	49	1011.6	1016.3	17.3	-0.9	13.0	0.2	1	7	-62	1	240	103	
JERUSALEM	3147N	03513E	809	931.2	1517	Y	14.0	-1.6	10.4	0.8	2	16	-43	2	239	113
EILAT	2933N	03457E	13	1014.1	1015.2	21.4	-0.3	10.3	-0.3	0	0	-3	0	286	117	
JORDAN																
H-4 'IRWAISHED'	3230N	03812E	688	939.5	1017.8	14.7	0.2	7.8	-0.1	0	0	-10	0	247	115	
AMMAN AIRPORT	3159N	03559E	768	928.5	1017.2	14.9	0.4	8.6	-0.4	1	5	-22	1	240	101	
MA'AN	3010N	03547E	1070	890.0	1480	Y	14.3	0.6	8.0	0.4	0	0	-6	0	256	105
ASIA																
USSR																
POLAR GMO IM.E.T.KRENKELJA	8037N	05803E	20	1006.9	1009.9	-21.3	-1.6	1.2	-0.1	10	51	3	4			
OSTROV VIZE	7930N	07659E	18	1010.1	1011.6	-22.5	-2.7	1.1	-0.1	8	20	3	4			
GMO IM.E.K. FEDOROVA	7743N	10417E	13	1012.8	1014.9	-24.8	-2.5	0.7	-0.2	3	10	-3	3			
OSTROV DIKSON	7330N	08014E	20	1008.5	1014.9	-18.4	0.4	1.5	-0.2	8	26	4	4			
HATANGA	7159N	10228E	24	1014.3	1018.9	-27.9	-1.3	0.7	0.0	10	51	28	5			
OSTROV KOTEL'NYJ	7600N	13754E	10	1019.7	1020.8	-25.8	-2.9	0.6	-0.2	1	3	-7	1			
COKURDAH	7037N	14753E	48	1015.1	1023.8	-29.9	-2.8	0.5	-0.3	1	5	-13	1			
OSTROV CETYREH-STOLBOVOJ	7038N	16224E	6	1018.5	1024.3	-24.5	-3.0	0.7	-0.3	0	4	-14	2		1	
MYS KAMENNYJ	6828N	07336E		1016.5	1017.6	-17.4	-0.6	1.5	-0.4	4	10	-19	1			
NAR' JAN-MAR	6739N	05301E	7	1015.1	1016.4	-11.7	-1.9	2.6	-0.5	10	26	-10	1	6	65	
HOSEDA-HARD	6705N	05923E	84	1006.6	1017.9	-14.8	-2.1	2.3	-0.5	12	23	-12	2	5	30	
SALEHARD	6632N	06632E	35	1016.2	1018.3	-16.9	-1.0	1.7	-0.3	9	25	-1	3	5		
TURUHANSK	6547N	08757E	32	1016.7	1022.0	-25.3	-5.6	0.7	-1.0	10	26	-14	2	45	125	
TARKO-SALE	6455N	07749E	27	1014.9	1019.1	-21.4	-5.2	1.2	-1.1	10	33	-2	3	6	30	
NJAKSIMVOL'	6226N	06052E	50	1014.1	1021.0	-15.9	-4.7	1.9	-0.9	5	20	-19	1	70		
SYKTYVKAR	6140N	05051E	96	1005.7	1021.5	-12.6	-6.6	2.3	-1.1	12	27	-15	1	34	200	
BOR	6136N	09000E	63	1015.7	1023.7	-21.3	-6.0	1.3	-1.2	18	56	8	4	34	95	
HANTY-MANSIJSK	6058N	06904E	40	1014.6	1020.9	-14.7	-3.3	2.1	-1.0	5	20	-21	1	52		
ESSEJ	6828N	10222E	271	985.6	1024.4	-33.7	-6.7	0.3	-0.9	2	6	-4	2	21		
OLENEK	6830N	11226E	127	992.1	1023.9	-34.7	-5.0	0.3	-2.6	4	10	-11	1			
DZARDZAN	6844N	12400E	45	1018.1	1023.8	-33.7	-2.9	0.5	0.0	7	13	-6	2			
VERHOJANSK	6733N	13323E	137	1005.6	1025.8	-37.4	-1.0	0.2	-0.1	1	5	-5	1	28	140	
TURA	6410N	10004E	186	1001.6	1028.6	-35.0	-9.2	0.4	-0.6	4	13	-11	2	19	85	
VIL JUJSK	6346N	12137E	107	1010.1	1026.2	-32.4	-5.1	0.5	-0.1	4	11	-7	2	15	25	
OJMJAKON	6316N	14309E	726	919.9	1031.1	-35.2	-2.3	0.3	-0.1	3	8	-2	2	62	85	
SUNTAR	6209N	11739E	124	1008.0	1027.2	-31.9	-8.0	0.6	-0.5	5	12	-6	2	62	90	
ERBOGACEN	6116N	10801E	291	987.0	1028.0	-29.5	-7.8	1.0	-0.1	3	11	-14	1	54		
JAKUTSK	6205N	12945E	103	1012.1	1026.6	-31.8	-2.4	0.5	0.0	9	17	1	4	43	70	
MYS SMDTA	6855N	17929W	7	1021.5	1022.1	-19.4	-2.6	1.7	0.2	6	23	-16	2	2		
ILIRNEJ	6720N	16814E	426	976.5	1026.6	-31.6	-3.8	0.4	-0.5	1	1	-15	1	43	180	
UST'-OLOJ	6633N	15925E	125	1007.4	1025.5	-32.4	-3.9	0.4	-0.2	4	26	6	4	51		
MYS UELEN	6610N	16950W	7	1009.4	1009.9	-10.4	-1.3	2.6	-0.3	10	30	-16	2	4		
ZYRJANKA	6544N	15054E	43	1019.2	1025.4	-30.9	-2.3	0.4	-0.1	1	5	-16	0	41	140	
ANADYR'	6447N	17734E	62	1008.3	1016.6	-18.8	-3.6	1.4	-0.6	5	22	-6	4	69	35	
SEJMCAN	6255N	15225E	207	995.8	1025.6	-29.4	0.1	0.5	-0.4	6	19	-10	2	25		
KAMENSKOE	6229N	16613E	8	1014.9	1016.3	-19.5	-1.1	1.1	-0.6	4	14	-26	2	49	160	
KORF	6021N	16600E	3	1010.9	1011.4	-10.1	-0.1	2.4	0.0	6	36	0	4	92	125	
PERM	5801N	05618E	161	1002.7	1023.8	-11.8	-6.6	2.3	-1.3	11	35	-16	2	66	200	
TOBOL'SK	5809N	06811E	44	1016.5	1023.1	-14.5	-5.3	2.1	-1.2	7	22	-9	2	92	240	
SVERDLOVSK	5648N	06038E	237	988.6	1025.4	-11.3	-6.0	2.2	-1.3	6	20	-7	2	109	235	
OMSK	5456N	07324E	94	1010.0	1026.5	-14.7	-6.4	2.2	-1.3	8	41	18	5	98	165	
KUSTANAJ	5313N	06337E	171	1007.2	1027.8	-10.9	-4.7	2.6	-0.9	6	26	5	4	137	185	
KOLPASEV	5818N	08254E	76	1013.5	1023.9	-17.1	-5.6	2.0	-1.4	6	24	-12	1	65	15	

ASIA-USSR

ASIA-USSR

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	TOTAL	QUINTILE	TOTAL	% OF AV.
ASIA	0°	0°	0'	9	mb	mb	°C	°C	mb	mb	mm	mm	hr	%		
USSR																
ENISEJSK	5827N	09209E	78	1014.8	1025.6	-17.2	-5.0	1.8	-0.9	18	53	11	5	39	130	
BOGUCANY	5825N	09724E	134	1008.5	1026.6	-18.3	-5.7	1.5	-0.9	14	35	9	5	19	10	
KRASNOJARSK	5600N	09253E	194	990.5	1026.7	-12.4	-3.7	2.0	-0.8	7	27	-8	2			
BARNaul	5320N	08342E	196	1005.4	1030.2	-13.9	-6.3	2.3	-1.1	7	35	-2	3	85	155	
MINUSINSK	5342N	09142E	251	997.3	1030.6	-12.1	-3.2	2.3	-0.6	4	17	2	4			
KIRENSK	5746N	10807E	258	993.9	1029.7	-24.4	-8.2	1.0	-1.2	9	21	-3	2	75		
BRATSK	5604N	10150E	326	972.7	1027.4	-14.2	-3.6	1.9	-0.8	8	28	8	5	62		
KALAKAN	5507N	11645E	613	948.2	1033.2	-30.5	-7.9	0.4	-0.6	4	10	3	5			
BOGDARIN	5428N	11335E	995	911.2	1030.8	-25.4	-7.0	0.7	-0.6	2	6	0	4	153		
UST'-BARGUZIN	5326N	10859E	457	956.6	1026.5	-12.7	-4.8	2.0	-0.7	15	68	39	6			
MOGOCA	5344N	11947E	619	944.8	1029.0	-24.3	-5.2	0.8	-0.5	1	10	1	4	141	115	
IRKUTSK	5216N	10421E	485	967.8	1028.8	-11.9	-2.4	2.1	-0.8	7	21	4	4	87	50	
CITA	5201N	11320E	685	940.9	1028.3	-17.0	-2.8	1.3	-0.4	1	5	-1	4	153	115	
ALDAN	5837N	12522E	682	937.3	1028.2	-24.5	-5.3	0.8	-0.5	8	25	-7	2	98	180	
OHOTSK	5922N	14312E	6	1010.5	1011.2	-13.0	-2.1	1.9	0.5	8	68	48	5	84	185	
AJAN	5627N	13809E	9	1011.4	1013.2	-12.2	-1.4	2.0	0.4	11	56	23	4	99	100	
BOMNAK	5443N	12856E	357	975.3	1024.0	-23.8	-3.7	0.8	-0.3	5	16	-11	2	112	110	
NIKOLAEVSK-NA-AMURE	5309N	14042E	47	1007.1	1014.2	-12.2	-1.9	2.0	-0.3	13	57	9	4			
IM POLINY OSIPENKO	5225N	13630E	73	1007.2	1016.8	-15.5	-1.9	1.6	-0.2	5	17	-3	3	114	80	
BLAGOVESCIENSK	5016N	12730E	137	1004.8	1022.4	-13.9	-2.8	1.7	-0.3	6	27	15	5			
HABAROVSK	4831N	13510E	72	1007.5	1019.4	-10.7	-2.5	2.0	-0.3	7	29	13	5	165	105	
VLADIVOSTOK	4307N	13154E	138	999.5	1023.0	-4.0	-2.8	3.2	-0.6	4	28	-6	3	151	90	
JUZNO-SAHALINSK	4655N	14244E	31	1011.1	1014.1	-3.0	-1.2	4.4	-0.1	13	77	7	3	108		
SIMUSIR	4651N	15152E	26	1006.5	1009.6	2.6	0.8	4.3	-1.8	19	277	117	5	49		
ICA	5542N	15538E	4	1005.0	1005.9	-3.4	0.6	4.2	0.3	13	48	-46	1	49	160	
PETROPAVLOVSK-KAMCATSKIJ	5258N	15845E	7	1002.5	1005.5	-0.2	1.7	4.3	0.6	15	110	1	4	104	85	
NIKOL'SKOE (OSTROV BERINGA)	5512N	16559E	6	1003.1	1004.9	0.7	1.1	5.5	0.5	14	61	-10	3	70	140	
ORENBURG	5145N	05506E	109	1012.5	1027.9	-11.4	-8.7	3.0	-1.4	11	46	7	4	90	130	
TURGAJ	4938N	06330E	123	1011.7	1029.5	-8.1	-4.2	2.5	-2.0	7	261	243	6			
KARAGANDA	4948N	07308E	555	960.4	1031.8	-11.6	-5.5	2.7	-0.4	12	47	26	6	111		
GUR'EV	4701N	05151E	-20	1028.7	1013.0	-5.3	-2.0	3.4	-0.8	3	9	-2	3	144		
BALHAS	4654N	07500E	423	976.0	1031.0	-5.3	-3.6	4.5	-0.9							
SAM	4525N	05612E	82	1015.5	1026.8	-0.9	-2.0	4.5	-0.9							
SEMIPALATINSK	5021N	08015E	206	1006.4	1032.5	-11.9	-5.9	2.7	-0.7	9	43	21	5	81	80	
ALMA-ATA	4314N	07656E	847	926.1	1028.7	0.3	-0.8	5.3	0.0	6	67	17	4	108	85	
FORT SEVCENKO	4433N	05015E	-20	1027.2	1024.3	4.3	-2.3	6.1	-0.5	4	10	-5	3	83	50	
CIMBAJ	4257N	05949E	66	1017.7	1026.0	4.5	2.1	4.4	-1.2	0	0	-7	1	153		
TAMDY	4144N	06437E	220	997.2	1026.4	4.5	-2.0	5.3	-0.5	2	7	-9	3	134		
TASKENT	4116N	06916E	428	966.3	1025.0	7.0	0.2	7.2	0.1	3	26	-22	2	105	65	
KRASNOVODSK	4002N	05259E	89	1011.8	1021.8	7.8	-0.7	8.3	0.2	1	3	-9	2	161	65	
CARDZOU	3905N	06336E	193	1000.5	1024.8	7.1	-1.1	6.5	-0.1	1	3	-9	1	200	65	
ASHABAD	3758N	05820E	228	995.8	1023.6	9.5	0.7	8.3	0.0	2	12	-9	2	142	45	
SAUDI ARABIA																
TURAIF	3141N	03840E	818	924.9	1525	Y	14.2	8.1								
ARAR	3054N	04108E	552	954.9	1018.7	15.3	8.4		2	7						
GURIAT	3125N	03716E	504	959.1	1017.7	15.6	8.6		0	0		0		266		
AL-JOUF	2947N	04006E	689	940.0	1018.5	18.0	7.7		0	0						
RAFHA	2938N	04329E	447	966.3	1018.0	17.2	8.8		3	6						
HAFR AL-BATIN	2820N	04607E	360	975.9	1017.4	19.4	7.1		0	T						
TABUK	2822N	03638E	776	929.3	1016.5	18.3	7.6		0	0		258				
HAIL	2726N	04141E	1013	905.4	1549	Y	18.2	1.1	8.7	1	1	-72	1			
WEJH	2612N	03628E	21	1010.8	1018.1	24.5	0.9	16.6	0	0	-8	3	266			
GASSIM	2618N	04346E	650	942.2	1015.4	20.0	0.0	6.9	0	0	-20	2				
AL AHSA	2517N	04929E	177	996.0	1016.4	21.2	11.0		0	0						
MADINAH	2433N	03942E	636	942.1	1012.3	25.5	2.4	8.8	0	1	-8	2				
KING KHALED INT. AIRPORT	2456N	04643E	612	948.7	1018.0	20.1	6.4		0	0						
RIYADH	2443N	04643E	612	948.1	1017.7	21.8	1.5	6.9	0	0	-7	3				
YENBO	2409N	03804E	6	1011.3	1012.0	26.2	20.9		1	12						
JEDDAH(KING ABDUL AZIZ IAP)	2140N	03909E	18	1009.5	1010.3	27.9	23.6		0	0						
MAKKAH	2129N	03950E	310	984.6	1019.5	29.3	22.0		0	0						
TAIF	2129N	04033E	1454	857.8	1531	Y	20.3	11.8	0	0		294				
AL BAH	2018N	04138E	1662	839.1	1548	Y	19.3	7.3	0	0		302				
SULAYEL	2028N	04537E	614	948.0		24.7	9.3		0	0						
BISHA	1959N	04237E	1163	887.3	1530	Y	19.7	5.8	0	0		297				

ASIA-SAUDI ARABIA

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
ASIA	0°	0°	m		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	
SAUDI ARABIA														%	
ABHA	1814N	04239E	2093		794.9	1515	Y	15.5	12.2		1	1			
KHAMIS MUSHAIT	1818N	04248E	2054		799.3	1526	Y	16.6	9.9		0	1		297	
NAJRAN	1737N	04426E	1210		883.5	1539	Y		4.4		0	0		318	
SHARURAH	1728N	04707E	722		934.6	1014.5		22.3	9.8		0	0		288	
GIZAN	1654N	04235E	3	1010.5	1010.8		29.6	26.9		0	0		0		
KUWAIT															
KUWAIT INT. AIRPORT	2913N	04759E	55	1012.0	1018.8		20.2	9.3		0	0		262	90	
IRAN, ISLAMIC REPUBLIC OF															
ORUMIEH	3732N	04505E	1312	872.0	1022	Y	6.1	5.6		1	21				
MASHHAD	3616N	05938E	980	908.0	1023.6		9.6	1.7	6.4	-0.9	0	T	-18	1	
TEHRAN-MEHRABAD	3541N	05121E	1191	886.3	1020.7		12.7	2.1	6.3	-0.2	1	7	-20	2	
KERMAN	3015N	05658E	1754	828.8	1021.4		10.3	0.3	3.9	-0.4	1	2	-4	3	
SHIRAZ	2932N	05235E	1491	855.4	1019.8		14.2	1.9	6.9	-1.0	0	0	-42	0	
BUSHEHR	2859N	05050E	19	1013.7	1016.1		21.3	16.9		0	0				
AFGHANISTAN															
MAZAR-I-SHARIF	3642N	06712E	378	978.3	1024.0		10.1	0.1	5.9	-1.1	2	15	4	116	
CHAKHCHARAN	3432N	06516E	2230	30	782.3	1536	Y	1.1	-0.4	2.5	-1.2	1	3	-13	2
KABUL AIRPORT	3433N	06913E	1791	30	824.3	1537	Y	8.9	2.8	3.5	-0.8	0	0	-12	1
KANDAHAR AIRPORT	3130N	06551E	1010	30	905.2	1021.0		13.3	2.1	3.2	-2.5	0	0	-7	0
BAHRAIN															
BAHRAIN MUHARRAQ	2616N	05037E	2	1016.9	1017.1		23.9	21.3		0	0		2		
QATAR															
DOHA INTERNATIONAL AIRPORT	2515N	05134E	10	1015.5	1016.4		24.0	19.3		0	0		293		
UNITED ARAB EMIRATES															
ABU DHABI BATEEN AIRPORT	2426N	05428E	3	1014.5	1015.0		24.9	20.4		0	0		4	302	105
ABU DHABI INT. AIRPORT	2426N	05439E	27	30	1012.0	1014.8		23.9	19.3		0	0			
OMAN															
SEEB, INTERNATIONAL AIRPORT	2335N	05817E	15	1013.6	1015.2		25.5	21.4		0	0				
SUR	2235N	05931E	5	1013.6	1015.1		24.9	22.7		0	0				
MASIRAH	2040N	05854E	19	1012.4	1014.6		26.0	23.0		1	1		5		
THUMRAIT	1740N	05402E	467	964.8			23.4	9.4		0	0				
SALALAH	1702N	05405E	22	1010.8	1013.5		27.0	18.0		0	T		4		
PAKISTAN															
PESHAWAR	3401N	07135E	360		1014.3		18.1	0.7	10.3	-0.8	0	0	-15	2	
PARACHINAR	3352N	07005E	1726	831.1	1527	Y	13.3	2.0	4.7	-0.4	0	0	-25	2	
JHELUM	3256N	07343E	234	986.9	1013.9		19.1	0.0	12.7	0.0	0	0	-8	2	
ZHOB	3121N	06928E	1407	860.9	1512	Y	15.5	1.9	3.2	-2.3	0	0	-8	3	
DERA ISMAIL KHAN	3149N	07055E	173	993.6	1013.5		20.3	1.2	8.9	-3.8	0	0	-4	0	
LAHORE CITY	3133N	07420E	215	989.1	1013.8		20.2	1.1	12.5	-0.6	0	0	-5	3	
QUETTA AIRPORT	3015N	06653E	1589	845.2	1540	Y	10.2	1.7	3.7	-1.7	0	0	-7	0	
MULTAN	3012N	07126E	123	999.7	1014.1		20.5	0.4	13.8	0.9	0	0	-3	4	
DAL BANDIN	2853N	06424E	850	30	921.8	1533	Y	16.8	2.1	5.7	-0.2	0	0	-2	0
JACOBABAD	2818N	06828E	56	1006.9	1013.4		22.0	0.0	10.9	-1.3	0	0	-1	4	
PANJGUR	2658N	06406E	981	30	906.9	1527	Y	17.7	1.5	6.8	-1.4	0	0	-2	4
JIWANI	2504N	06148E	57	1007.1	1013.9		23.4	-0.6	16.3	-0.8	0	0	-2	4	
HYDERABAD	2523N	06825E	30	1009.5	1013.3		26.1	1.8	13.7	0.9	0	0	-2	4	
CHHOR	2531N	06947E	6	1011.4	1012.3		23.0	0.1	10.9	-1.9	0	0	-5	4	
KARACHI AIRPORT	2454N	06708E	22	1010.7	1013.2		24.7	0.8	12.1	-2.5	0	0	-6	4	
BANGLADESH															
DHAKA	2346N	09023E	9	1004.4	1005.5										
JESSORE	2311N	08910E	7	1010.4	1011.4		28.1		29.6						
COX'S BAZAR	2126N	09158E	4	1010.1	1010.5		27.3		29.9						
INDIA															
SRINAGAR	3405N	07450E	1587	846.1	1545	Y	8.3	0.4	7.5	-0.4	0	0	-27	1	
AMRITSAR	3138N	07452E	234	987.3	1014.5		17.3	-0.6	14.1	0.6	0	0	-6	3	
													251	95	

ASIA-INDIA

## SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
<b>ASIA</b>																
INDIA																
MUKTESWAR KUMAON	2928N	07939E	2311				13.1	1.9	7.6	1.2	0	0	-6	3		
BIKANER	2800N	07318E	224		1014.4	21.6	0.9	8.8	-2.1	0	0	-4	3			
NEW DELHI/SAFDARJUNG	2835N	07712E	216	988.9	1013.8	20.9	0.4	12.3	0.0	0	0	-5	3	256	90	
AGRA	2710N	07802E	169		1012.8				12.7	-1.4	0	0	-6	4		
DARJEELING	2703N	08816E	2128	30			12.8	1.8	11.6	1.7	0	0	-11	2		
DIBRUGARH/MOHANBARI	2729N	09501E	111	1000.9	1013.8	21.3	0.4	20.1	0.2	2	11	-19	2			
JOHDPUR	2618N	07301E	224		1012.9	24.1	0.9	6.5	-4.1	0	0	-5	4			
DARBHANGA	2610N	08554E	49	30	1007.7	1013.6	22.5	0.3	25.9	5.5	0	0	-9	4		
GAUHATI	2606N	09135E	54	1006.9	1013.3	22.9	0.8	23.4	1.0	1	6	-12	2			
KOTA AERODROME	2509N	07551E	274		1013.7	23.7			10.4		0	0				
ALLAHABAD/BAMHRAULI	2527N	08144E	98		1014.0	21.9	0.1	17.5	2.0	0	0	-11	4			
CHERAPUNJI	2515N	09144E	1313	870.7	1517	Y	17.7	1.6	14.4	-0.4						
DALTONGANJ	2403N	08404E	221	987.3	1013.5	21.3	0.7	15.2		2	26	21	5			
DUMKA	2416N	08715E	149	993.9	1011.3	24.7	2.7	21.0	1.5	3	33	19	4			
AHMADABAD	2304N	07238E	55	1006.1	1012.3	26.7	1.9	11.9	-3.2	0	0	-9	4	303	101	
SAGAR	2351N	07845E	551	952.2	1013.9	22.5	0.3	11.5	-1.7	0	0	-18	4			
DWARKA	2222N	06905E	11	1011.1	1012.3	27.2	1.4	22.1	0.6	0	0	-22	4			
INDORE	2243N	07548E	567	949.5	1012.7	22.5	1.0	11.5	-0.8	1	18	-2	4			
CALCUTTA/ALIPORE	2232N	08620E	6	1011.9	1012.6	24.8	0.4	22.0	0.6	5	43	26	5	189	76	
NAGPUR SONEGAON	2106N	07903E	310	977.3	1012.5	23.8	1.1	19.0	3.5	4	74	62	5	200	71	
VERaval	2054N	07022E	8	1010.1	1010.9	27.7	1.6	23.1	1.6	0	0	-6	4			
AKOLA	2042N	07702E	282	979.9	1011.5	25.3	1.6	17.8	3.3	3	44	27	5			
BHUBANESWAR	2015N	08550E	46	1006.7	1012.0	24.5				5	63					
JAGDALPUR	1905N	08202E	553	950.3	1011.9	22.4	0.4	20.5	2.8	5	19	2	4			
BOMBAY/COLABA	1854N	07249E	11	1009.2	1010.4	29.2	1.2	28.7	4.2	0	0	-11	3	215	78	
POONA	1832N	07351E	559	949.1	1011.1	23.3	0.7	18.7	2.7	1	8	-22	2	252	95	
HYDERABAD AIRPORT	1727N	07828E	545	950.5	1010.9	23.7	1.1	19.7	2.6	6	230	214	6	174	67	
VISHAKHAPATNAM	1743N	08314E	3	1010.5	1010.9	26.4	0.4	24.7	0.9	7	337	272	6			
MACHILIPATNAM (FRANCHPET)	1612N	08109E	3	1009.6	1009.9	26.1	0.4	27.9	2.4	12	255	136	5			
GOA/PANJIM	1529N	07349E	60	1003.3	1010.0	28.3	0.7	25.7	1.2	3	12	-35	3			
BELGAUM/SAMBRA	1551N	07437E	747	928.3	1010.1	23.4	0.6	17.6	1.4	4	23	-15				
MADRAS/MINAMBAKKAM	1300N	08011E	16	1007.9	1009.7	26.9	1.0	27.9	1.5	9	259	-90	3	189	96	
BANGALORE	1258N	07735E	921	909.7	1507	Y	22.9	1.0	19.5	1.0	10	35	-29	3	161	85
KOZHIKODE	1115N	07547E	5	1009.5	1010.1	27.5			28.6		9	27	1			
PORT BLAIR	1140N	09243E	79	1001.2	1009.6	25.9	-0.7	30.2	1.7	21	301	79	4	162	72	
PAMBAN	0916N	07918E	11	1008.5	1009.7	28.3	1.3	29.8	0.6	11	193	-80	2			
MINICOY	0818N	07309E	2	1009.8	1010.0	28.9	2.0	30.2	2.1	5	64	-73	2			
TRIVANDRUM	0829N	07657E	64	1002.8	1010.0	27.4	0.7	30.0	1.7	14	199	11	4	160	94	
SRI LANKA																
MANNAR	0859N	07955E	3	1009.2	1009.7	28.1	1.1			11	13	-222	0			
COLOMBO	0654N	07952E	7	1009.7	1010.4	27.5	1.0	29.7	1.4	15	180	-146	1			
HAMBANTOTA	0607N	08108E	20	1007.7	1009.5	27.5	0.8	30.5	2.3	9	126	-64	2			
MONGOLIA																
ULAN-GOM	4948N	09205E	936	915.0	1034.2	-12.1			1.9		2	7				
ULGI	4858N	08958E	1714	825.0	1013.0	0.0			2.2		0	0				
MUREN	4938N	10010E	1288	872.7	1032.3	-13.6			1.6		1	3				
CHOIBALSAN	4804N	11430E	756	933.0	1028.4	-13.4					2	6				
ULIASTAI	4745N	09651E	1753	821.6	1032.2	-15.0			1.4		4	10				
ALTAY	4624N	09615E	2147	825.4		-24.0						1				
ARBAIHER	4616N	10247E	1813	815.8	1027.2	-9.3			1.4		2	3				
ULAN-BATOR	4756N	10659E	1338	869.9	1037.2	-13.8			1.7		3	8				
MANDALGOVI	4546N	10617E	1398	860.4	1030.5	-12.2			1.1		1	5				
SAINSHAND	4454N	11007E	936	911.7	1027.4	-7.9			2.1		1	1				
DALANZADGAD	4335N	10425E	1470	854.1	1026.8	-4.6			2.3		0	T				
HONG KONG																
ROYAL OBSERVATORY	2218N	11410E	62	1009.3	1016.6	21.8	0.5	20.8	3.7	7	67	32	5	118	58	
MACAU																
MACAO	2212N	11332E	59	1009.8	1016.7	20.8	0.2	19.2	3.6	6	85	51	5			
DPR KOREA																
CHUNGGANG	4147N	12653E	332	984.6	1025.9	-3.1			4.0		13	66	5			

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	% OF AV.	
ASIA	0°	0°	m		mb	mb	°C	°C	mb	mb	mm	mm	%	
DPR KOREA														
HYESAN	4124N	12810E	714	936.1	1024.8	-4.6	3.6	6	25					
KIMCHAEK	4040N	12912E	23	1019.4	1022.3	4.8	6.1	7	41					
SINUIJU	4006N	12423E	7	1023.9	1024.8	2.8	5.3	7	62	5				
WONSAN	3911N	12726E	36	1018.9	1023.5	5.9	6.2	14	104	5				
PYONGYANG	3902N	12547E	38	1019.5	1024.3	4.6	6.5	13	72	5				
HAEJU	3802N	12542E	81	1013.2	1023.2	6.4	7.6	9	64	5				
REPUBLIC OF KOREA														
KANGNUNG	3745N	12854E	27	1018.9	1022.3	8.9	0.1	7	74	-13	3	159	86	
INCHON	3729N	12638E	70	1014.0	1022.7	7.7	0.7	8	71	29	5	170	89	
PUSAN	3506N	12902E	71	1013.1	1021.7	11.7	1.1	9	6	53	-13	3	181	92
MOKP'0	3447N	12623E	56	1016.1	1023.0	11.0	0.8	9	74	21	5	187	111	
JAPAN														
WAKKANAI	4525N	14141E	11	1013.8	1015.2	2.0	-1.2	5	124	-1	3	65	90	
ASAHIKAWA	4346N	14222E	116	30	1002.2	1016.7	1.1	-0.4	5	4	-0.3	21	135	
ABASHIRI	4401N	14417E	43	30	1010.0	1015.3	2.6	-0.4	5	5	-0.1	15	85	
SAPPORO	4303N	14120E	19	1014.6	1017.0	3.6	-0.4	5	3	-0.7	13	77	22	
NEMURO	4320N	14535E	26	1011.7	1015.0	4.5	-0.2	6	3	-0.2	17	95	14	
URAKAWA	4210N	14247E	33	30	1012.7	1016.8	4.4	-1.1	6	2	-0.3	15	55	
AKITA	3943N	14006E	10	1018.9	1020.1	7.2	-0.1	7	74	-5	3	108	101	
MIYAKO	3939N	14158E	47	1012.7	1018.4	7.6	-0.1	7	71	-59	1	182	112	
SENDAI	3816N	14054E	43	1014.5	1019.8	9.0	0.3	7	6	-40	28	2	149	
WAJIMA	3723N	13654E	6	1019.2	1020.9	10.2	0.0	9	4	180	-50	2	123	
NIIGATA	3755N	13903E	6	30	1019.9	1020.7	10.5	0.6	8	7	-0.5	16	123	
KANAZAWA	3633N	13639E	28	30	1017.6	1020.9	11.2	0.4	9	7	-0.1	15	179	
MATSUMOTO	3615N	13758E	611	948.3	1020.8	7.6	0.8	7	5	0.5	4	29	22	
MAEBASHI	3624N	13904E	113	30	1006.4	1020.1	10.4	0.1	8	4	0.2	3	22	
NAGOYA	3510N	13658E	56	30	1013.6	1020.3	12.4	1.0	9	5	0.1	8	39	
CHOSHII	3543N	14051E	28	30	1015.8	1019.1	13.2	-0.5	11	1	-0.1	8	83	
OMAEZAKI	3436N	13813E	47	30	1013.0	1018.6	15.0	0.8	12	1	0.9	9	108	
TOKYO	3541N	13946E	36	1015.3	1019.6	12.8	0.5	9	2	0.1	6	40	-53	
HACHIJOGIMA	3306N	13947E	80	1008.3	1017.7	18.0	0.8	15	3	0.9	14	347	43	
YONAGO	3526N	13321E	8	1020.0	1020.9	12.1	1.0	10	4	0.6	14	123	-4	
HIROSHIMA	3422N	13226E	30	30	1017.4	1021.0	12.6	1.1	10	6	1.0	5	85	
OSAKA	3441N	13531E	50	30	1014.8	1020.8	13.4	0.9	10	6	0.9	6	41	
SHIONOMISAKI	3327N	13546E	75	1010.4	1019.3	15.7	0.8	12	5	1.3	8	201	10	
IZUHARA	3412N	12918E	22	30	1018.6	1021.3	13.5	1.1	11	5	1.6	7	102	
FUKUOKA	3335N	13023E	14	1019.2	1020.9	14.4	1.7	11	9	1.7	8	67	-12	
OITA	3314N	13137E	13	30	1019.1	1020.6	13.9	1.3	12	2	1.7	6	36	
NAGASAKI	3244N	12952E	35	30	1016.3	1020.5	15.0	1.3	12	3	1.5	5	28	
KAGOSHIMA	3134N	13033E	5	1019.2	1019.8	16.2	1.9	13	7	1.8	10	123	31	
MIYAZAKI	3155N	13125E	7	30	1019.0	1019.9	15.0	1.4	13	9	2.1	8	63	
KOCHI	3333N	13332E	18	30	1017.8	1020.0	14.0	0.9	11	4	1.2	8	46	
SHIMIZU/ASHIZURI	3243N	13301E	33	1015.6	1019.5	16.9	1.0	13	2	1.6	7	59	-72	
NAZE	2823N	12930E	7	1017.2	1018.1	21.2	1.3	20	1	4.0	16	406	198	
ISHIGAKIJIMA	2420N	12410E	7	1015.6	1016.4	24.2	1.8	24	7	4.5	15	253	85	
MIYAKOJIMA	2447N	12517E	41	30	1011.7	1016.4	23.7	1.6	24	2	4.7	14	264	
NAHA	2614N	12741E	36	1010.9	1017.1	23.1	1.8	21	8	3.7	15	174	33	
MINAMIDAITOJIMA	2550N	13114E	15	1014.9	1016.6	23.7	1.3	22	9	2.9	11	138	-4	
BURMA														
AKYAB	2008N	09253E	5	1011.6	1012.2	27.1	1.9	27	8	3	0			
THAILAND														
CHIANG MAI	1847N	09859E	314	975.8	1011.2	26.1	1.9	25	8	2.7	7	99	61	
UDON THANI	1723N	10248E	182	990.7	1011.2	27.2	2.4	25	1	4.3	1	5	-3	
PHITSANULOK	1647N	10016E	45	1005.7	1010.9	28.3	1.7	30	1	5.4	5	98	72	
NAKHON SAWAN	1548N	10010E	35	1006.7	1010.7	28.1	1.8	31	5	7.4	8	134	104	
NAKHON RATCHASIMA	1458N	10205E	188	989.6	1011.0	26.6	1.9	27	0	4.3	6	60	28	
BANGKOK	1344N	10034E	20	1008.1	1010.3	28.5	1.4	30	5	3.1	12	111	64	
ARANYAPRATHET	1342N	10235E	49	1005.3	1010.6	27.8	1.8	30	1	5.1	10	130	80	
CHANTHABURI	1236N	10207E	4	1009.5	1009.9	23.2	-3.3	30	9	5.0	13	220	151	
PRACHUAP KHIRIKHAN	1150N	09950E	5	1009.4	1010.0	26.6	0.6	30	3	4.1	18	824	633	
CHUMPHON	1029N	09911E	5	1009.4	1010.1	27.6	1.8	32	6	4.5	17	341	-10	

ASIA-THAILAND

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	TOTAL hr	% OF AV.
<b>ASIA</b>																
THAILAND	0°	0°	#	#												
SONGKHLA	0712N	10036E	5	1008.6	1009.3	27.9	1.2	30.0	0.8	15	185	-364	1	174		
<b>VIE T NAM</b>																
HA NOI	2101N	10548E	6	1015.4	1015.8	21.5		21.9		7	70			72	50	
VINH	1842N	10540E	6	1014.5	1015.2	22.5		24.4		8	124			77	65	
<b>LAO PDR</b>																
LUANG-PRABANG	1953N	10208E	305	977.3	1011.8	23.6	0.8	24.6	1.4	4	99	80	6			
<b>CHINA</b>																
HAILAR	4913N	11945E	611	947.4	1027.3	-16.1	-3.1	1.5		5	14	8	5	171	95	
QIQIHAERH	4723N	12355E	148	1004.6	1024.0	-9.6	-2.0	2.0		4	14	8	5	174	90	
ALTAY	4744N	08805E	737	942.1	1035.7	-8.6	-3.4	2.9		8	25	7	5	112	75	
YINING	4357N	08120E	663	948.9	1030.5	0.2	-0.7	5.2		8	38	14	5	156	95	
URUMQI	4347N	08737E	919	920.1	1033.7	-5.4	-2.2	3.7		4	17	1	3	131	85	
KASHI	3928N	07559E	1291	877.2	1026.7	3.9	0.5	5.2		0	T	-1	3	170	85	
RUOGIANG	3902N	08810E	889	922.3	1029.4	1.8	0.2	3.3		0	0	0	0	173	80	
HOTAN	3708N	07956E	1375	867.5	1025.4	4.5	1.0	4.6		0	0	0	0	197	90	
HAMI	4249N	09331E	739	939.2	1029.9	-1.4	-0.9	3.5		1	4	2	5	209	95	
JIUQUAN	3946N	09829E	1478	857.8	1030.2	-0.9	0.3	2.9		0	T	-2	3	204	90	
DULAN	3618N	09806E	3192	693.3		-2.6	2.2	1.5		1	2	-10	3	240	95	
LANZHOU	3603N	10353E	1518	853.0		3.3	1.6	4.0		0	T	-6	1	190	100	
ERENHOT	4339N	11200E	966	909.4	1028.0	-6.1	1.0	2.0		0	T	-1	3	229	105	
YINCHUAN	3829N	10613E	1112	895.9	1027.3	2.1	1.3	4.5		1	2	-3	3	211	95	
TAIYUAN	3747N	11233E	779	933.0	1027.2	1.7	-0.4	4.9		6	255	242	6	155	85	
YANJI	4253N	12928E	178	1002.1	1025.1	-4.5	-1.3	3.0		3	17	-1	4	150	90	
SHENYANG	4146N	12326E	43	1020.0	1025.5	-0.6	-0.8	3.8		6	28	8	5	131	75	
BEIJING	3956N	11617E	55	1018.9	1025.8	3.9	-0.1	4.6		3	35	28	6	168	85	
QINGDAO	3604N	12020E	77	1015.7	1025.3	8.7	1.3	8.2		4	27	-5	3	195	105	
LHASA	2940N	09108E	3650	655.6		3.7	1.4	2.2		0	0	-2	4	280	105	
QAMDO	3109N	09710E	3307	684.0		3.7	1.6	3.0		0	1	-3	3	228	115	
CHENGDU	3040N	10401E	508	963.4	1023.6	11.7	-0.4	11.7		4	16	-2	2	86	135	
XICHANG	2754N	10216E	1599	841.1		13.7	0.8	10.2		2	21	1	4	199	100	
TENGCHONG	2507N	09829E	1649	837.1		13.4	1.6	11.3		4	47	21	5	221	100	
MENGZI	2323N	10323E	1302	872.3	1015.4	16.4	0.7	15.0		6	73	37	5	145	80	
XI'AN	3418N	10856E	398	977.7	1026.3	6.6	0.0	7.9		6	27	-3	3	75	60	
ZHENGZHOU	3443N	11339E	111	925.2	1011.4	7.1	-0.7	7.2		4	17	-11	3	173	100	
ZHI JIANG	2727N	10941E	273	990.4	1023.3	12.2	0.1	12.3		5	93	15	4	112	115	
GANZHOU	2551N	11457E	125	1006.3	1021.2	15.3	0.0	15.2		11	149	105	6	60	40	
NANCHANG	2836N	11255E	50	1016.9	1022.5	13.2	0.1	13.0		8	75	26	4	116	75	
GUANGZHOU	2308N	11319E	8	1017.1	1018.0	19.8	0.5	18.2		6	44	7	4	73	40	
SHANTOU	2324N	11641E	3	1016.5	1017.5	20.6	1.3	19.9		7	115	87	6	124	65	
NANNING	2249N	10821E	73	1009.5	1018.1	18.6	0.2	18.6		15	86	44	5	57	35	
HAIKOU	2002N	11021E	15	1013.4	1015.1	23.1	1.2	24.5		6	42	-29	3	105	65	
<b>AFRICA</b>																
MADEIRA																
FUNCHAL	3238N	01654W	56	1011.4	1018.0	19.0		15.5		6	123	4	137	85		
CAPE VERDE																
SAL	1644N	02257W	55	1007.6	1014.1	24.9	0.5	24.3		2	2	0	-5	3	143	70
SPAIN (CANARY ISLANDS)																
SANTA CRUZ DE TENERIFE	2828N	01615W	46	1012.1	1016.3	21.1	0.7	16.4		1	6	62	20	4	163	92
ALGERIA																
JIJEL	3650N	00547E	2	1016.4	1017.1	16.8		12.7		11	98	4	140	25		
SIKDKA	3656N	00657E	7	1017.2	1017.4	16.5	1.8	14.0		1	13	116	58	4	150	98
ANNABA	3650N	00749E	4	1016.3	1016.8	15.5	0.3	12.2		-0.7	12	70	27	5	152	118
DAR-EL-BEIDA	3643N	00315E	25	1014.2	1017.2	15.3	0.4	12.0		-0.1	11	93	-8	3	166	106
BEJAIA	3643N	00504E	2	1017.0	1017.4	15.3		13.2		11	216				156	
CONSTANTINE	3617N	00637E	694	937.8	1018.5	10.7	-0.3	9.3		0.5	10	37	-18	3	156	111
CHLEF	3613N	00120E	143	1001.5	1018.6	14.3		11.6		10	56				170	
MILIANA	3618N	00214E	715	935.3	1018.5	12.3	0.2	9.7		11	131	42	4	158		

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	% OF AV.
<b>AFRICA</b>													
<b>ALGERIA</b>	0°	0°	m	mb	mb	0°C	0°C	mb	mb	mm	mm	hr	%
BORDJ BOU ARRERIDJ	3604N	00446E	928	912.6		9.0		9.2		12	54	166	
SETIF	3611N	00525E	1081	900.9	1517 Y	8.6		9.1		9	40	163	50
M'SILA	3540N	00430E	441	965.2	1011.6	12.1		9.9		10	75	178	60
ORAN/ES SENIA	3538N	00036W	90	1007.1	1017.9	14.5	-0.2	12.1	-0.6	7	80	36	5 185 114
MASCARA GRISS	3516N	00009E	511	959.1	1018.9	12.7		10.0		7	48		
TIARET	3515N	00126E	1127	906.8	1508 Y	9.6		9.3		10	50		
BOU-SAADA	3520N	00412E	461	964.9		12.5		10.2			28		
BENI-SAF	3518N	00121W	68	1008.0	1016.3	16.2		14.0		7	45		194 65
TLEMCEN (ZENATA)	3501N	00128W	247	988.5	1018.1	14.3		11.0		6	19		184 60
DJELFA	3441N	00315E	1144	889.8	1515 Y	8.5		7.8		13	551	535	6 192 60
EL KHEITER	3409N	00004E	1000	904.1	1509 Y	9.8		8.4		6	24		
MECHERIA	3456N	00026W	1149	890.2	1532 Y	10.3		7.2		5	18		
ELBAYADH	3340N	00100E	1341	867.9	1519 Y	13.5		4.2		9	38		106 15
TOUGGOURT	3307N	00608E	85	1007.8	1018.1	15.1		9.1				249	80
EL OUED	3330N	00607E	63	1003.8	1017.9	15.4		9.5		1	2		249 80
AIN SEFRA	3246N	00036W	1058	896.3	1499 Y	11.4		8.1		3	28		222 70
GHARDAIA	3223N	00349E	450	964.7	1019.2	15.3		7.8				238	75
BECHAR	3137N	00214W	773	926.0	1523 Y	17.5	2.7	7.9	-1.2	3	38	26	6 156 65
HASSI-MESSAOUD	3140N	00609E	142	1001.0	1018.0	16.0		8.4		0	1		
BENI ABBES	3008N	00210W	499	959.6	1018.2	16.1		8.6		1	7		250 80
TIMIMOUN	2915N	00017E	312	980.7	1017.4	16.7		7.1					
IN AMENAS	2803N	00938E	562	952.7	1017.1	16.9	0.5	7.1	0.0	0	T	-1	3 260 103
ADRAR	2753N	00017W	263	985.0	1007.7	17.7	-0.6	1.6	-6.7				260 94
IN SALAH	2712N	00228E	293	985.1	1016.2	19.6	-0.8	9.6	1.7	0	T	-1	5 270 99
ILLIZI	2630N	00825E	558	955.5	1017.9	18.1		8.5		0	0		
TAMANRASSET	2247N	00531E	1378	866.7	1544 Y	18.2	0.3	5.7	-0.3	0	0	-4	0 281 105
<b>NIGER</b>													
AGADEZ	1658N	00759E	502	956.4	1012.4	25.1	0.8	6.1	-0.8	0	0	-T	0 311 105
TILLABERY	1412N	00127E	210	987.5	1010.9	29.3	0.7	9.8	-1.1	0	0	0	0 286 100
TAHOUA	1454N	00515E	391	967.5	1010.9	27.8	0.2	7.6	-0.6	0	0	0	0 292
N'GUIGMI	1415N	01307E	286	979.0	1011.2	25.6	0.3	5.9	-3.2	0	0	0	5 308 105
NIAMEY-AERO	1329N	00210E	227	985.2	1010.5	28.4	0.6	9.1	-1.7	0	0	0	0 288 100
BIRNI-N'KONNI	1348N	00515E	273	980.1	1010.6	27.7	0.6	9.7	0.6	0	0	-T	0 299 100
MARADI	1328N	00705E	373	969.6	1011.2	26.4	1.2	6.6	-3.0	0	0	0	5 309 110
ZINDER	1347N	00859E	453	961.2	1011.6	26.6	0.2	7.4	0.5	0	0	0	0 306 105
MAGARIA	1259N	00856E	403	967.4	1012.7	24.2		8.0		0	0		5 290
MAINE-SOROA	1314N	01159E	337	973.1	1010.9	26.1	0.3	6.5	-1.2	0	0	-T	0 289 95
GAYA	1153N	00327E	203	986.5	1009.2	29.0	0.9	10.0	-4.8	0	0	-5	4 285 100
<b>MALI</b>													
TESSALIT	2012N	00059E	491	958.3	1012.9	25.8	0.4	5.9	-1.5	0	0	0	0 267 99
TOMBOUCTOU	1643N	00300W	264	982.5	1012.0	26.5	-0.3	11.1	3.1	0	0	0	5 277 95
GAO	1616N	00003W	260	982.8	1011.7	28.7	1.1	6.9	-0.8	0	0	-T	0 286 99
NIORO DU SAHEL	1514N	00921W	237	984.0	1010.5	29.2	2.2	8.7	-1.4	0	0	-4	4 281
HOMBORI	1520N	00141W	288			29.7	0.9	0.7	-7.7	0	0	0	5 291
KAYES	1426N	01126W	47	1005.9	1011.2	28.9	0.7	13.6	0.0	0	0	-5	0 271 109
MOPTI	1431N	00406W	272	981.1	1011.4	29.1	2.6	0.9	-10.9	0	0	0	5 287 115
SEGOU	1324N	00609W	289	978.4	1010.4	28.7	2.3	13.2	-0.2	0	0	-2	4 271 96
SAN	1320N	00450W	284	979.2	1011.7	29.1	1.7	11.5	-3.3	0	0	-2	4
BAMAKO/SENUO	1232N	00757W	381	988.3	1010.5	28.1	1.7	14.1	-0.5	0	0	-7	3 278
KOUTIALA	1223N	00528W	367	969.1	1009.7	27.6	1.8	11.9	-2.1	0	0	-7	3 289
BOUGOUNI	1125N	00730W	351	971.2	1010.1	26.0	-0.1	17.3	-0.1	0	0	-19	0 260 100
<b>MAURITANIA</b>													
NOUADHIBOU	2056N	01702W	3	1014.7	1015.2	22.2	0.7	20.6	3.7	0	T	-8	4 206
<b>SENEGAL</b>													
SAINT-LOUIS	1603N	01627W	4	1011.4	1011.9	26.4	0.7	20.7	3.7	0	0	-1	0 227
PODOR	1639N	01458W	7	1011.6	1012.4	29.5	1.6	11.9	-1.1	0	0	-1	0 240
LINGUERE	1523N	01507W	21	1008.8	1011.1	29.0	1.2	12.9	-1.9	0	0	-3	0 274
MATAM	1539N	01315W	17	1009.3	1011.2	29.4	1.6	12.5	-1.1	0	0	-4	0
DAKAR/YOFF	1444N	01730W	24	1008.6	1011.9	25.7	0.1	24.9	0.7	0	0	-3	0 249
DIOURBEL	1439N	01614W	9	1010.0	1011.0	28.1	0.9	17.4	0.2	0	0	-4	0 269
KAOLACK	1408N	01604W	7	1010.9	1011.7	28.4	0.5	22.1	3.0	0	0	-7	0 261

AFRICA-SENEGAL

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	OUTLINE
<b>AFRICA</b>														
SENEGAL	0°	0°	n	n	mb	mb	0°C	°C	mb	mb	mm	mm	mm	hr
TAMBACOUNDA	1346N	01341W	50	1005.0	1010.7	28.2	1.2	18.8	2.0	0	0	-3	0	269
ZIGUINCHOR	1233N	01616W	23	1008.9	1011.5	26.6	0.1	26.4	2.4	0	0	-8	0	260
KOLDA	1253N	01458W	10			26.0	-0.3	24.2	2.2	0	0	-38	0	237
KEDOUGOU	1234N	01213W	167	991.1	1009.8	27.6	1.7	22.5	2.2	0	0	-46	0	266
<b>GAMBIA</b>														
BANJUL/YUNDUM	1321N	01648W	36	1007.9	1011.6	26.5	0.9	24.0	3.5					55
<b>SIERRA LEONE</b>														
LUNGI	0837N	01312W	27	30	1005.8	1008.7	27.3	0.8	30.7	1.5	11	12	-135	1
NJALA	0806N	01206W	56	30	1001.8	1008.1	27.4	1.0	31.3	2.7	8	167	2	83
BO	0757N	01146W	93	30	999.7	1010.6	27.2	0.9	29.5	1.0	11	160	-5	92
DARU	0759N	01051W	186	30	989.0	1010.1	27.4	1.4	29.6	1.8	9	66	-126	1
<b>UNITED KINGDOM (OCEAN IS.)</b>														
ST. HELENA IS.	1556S	00540W	436		966.9	1017.6	17.9	2.2	17.2		10	24	-6	3
<b>FRANCE (OCEAN ISLANDS)</b>														
ILES GLORIEUSES	1135S	04717E	4		1013.9	1014.4	27.3	0.5	27.4	1.4	2	32	8	4
ILE JUAN DE NOVA	1703S	04242E	10		1011.8	1013.0	27.5	0.1	28.1	-0.2	2	7	-8	3
ILE EUROPA	2219S	04020E	13		1012.9	1014.4	25.8	0.5	24.5	0.0	0	2	-32	1
SERGE-FROLLOW (ILE TROMELIN)	1553S	05431E	13		1013.0	1014.4	26.3	0.5	26.2	0.5	10	27	-15	3
SAINT-DENIS/GILLOT (REUNION)	2053S	05531E	25		1014.1	1017.0	24.6	0.8	21.1	-0.6	3	7	-81	1
MARTIN DE VIVIES(ILE AMST.)	3748S	07732E	29	30	1017.9	1021.4	13.9	0.5	12.4	-1.0	14	89	-8	3
ALFRED FAURE (ILES CROZET)	4626S	05152E	142		992.7	1010.1	4.9	0.7	7.0	0.0	14	195	-28	3
PORT-AUX-FRANCAIS(ILES KER.)	4921S	07015E	30	30	999.7	1003.4	5.0	0.7	6.9	-0.1	14	62	-2	4
<b>MAURITIUS</b>														
AGALEGA	1026S	05645E	3		1011.9	1012.2	27.9	1.3	28.1	-0.3	15	143	17	4
ST. BRANDON (ST. RAPHAEL)	1627S	05937E	4		1014.1	1014.4	25.7	-0.1	26.2	0.1	7	17	-14	3
RODRIGUES	1941S	06325E	59		1010.4	1016.7	24.3	0.1	22.3	-0.7	7	28	-20	3
PLAISANCE (MAURITIUS)	2026S	05740E	57		1010.5	1016.8	24.4	0.7	22.8	-0.5	11	91	4	4
<b>LIBYAN ARAB JAMAHIRIYA</b>														
TRIPOLI INT. AIRPORT	3240N	01309E	81		1007.5	1016.4	17.4	-0.2	12.3	0.2	9	84	36	5
BENINA	3205N	02016E	132	30	1001.6	1017.1	17.7	-0.5	14.8	1.1	7	61	36	5
SEBHA	2701N	01426E	432		967.5	1017.7	18.2	0.4	10.9	1.3	0	T	-2	4
KUFRA	2413N	02318E	435		970.5	1017.5	19.0	0.7	0.0	-7.4				90
<b>SUDAN</b>														
HADI HALFA	2149N	03129E	183		992.5	1013.8	22.8	0.8	9.3		0	0	-T	0
ABU HAMED	1932N	03319E	312		974.9	1010.1	24.2	-1.6	9.8	-1.0	0	0	-T	0
PORT SUDAN	1935N	03713E	2		1011.3	1011.6	28.4	1.2	27.9	0.7	0	T	-44	1
DONGOLA	1910N	03029E	226		986.1	1012.4	19.7	-3.3	8.4	-1.6	0	0	0	0
KARIMA	1833N	03151E	249		982.5	1011.5	26.2	1.0	7.7	-2.0	0	0	-T	0
KHARTOUM	1536N	03233E	380	30	965.4	1008.7	29.2	1.6	10.7	-0.2	0	0	-1	0
KASSALA	1528N	03624E	500		953.3	1008.2	28.9	0.6	13.6	-2.2	0	0	-3	0
WAD MEDANI	1424N	03329E	408		962.7	1007.8	26.9	0.5	11.7	-1.0	0	0	0	0
GEDAREF	1402N	03524E	599		940.9	1006.5	29.1	0.5	13.3	-0.8	0	0	0	0
SENNAR	1333N	03337E	418		960.7	1006.7	25.2		12.0		0	0	5	
EL OBEID	1310N	03014E	574	30	945.9	1009.6	26.3	1.0	7.5	-0.7	0	0	0	0
KOSTI	1310N	03240E	381		965.8	1008.2	27.9	0.6	13.3	-2.2	0	0	-1	0
DAMAZINE	1147N	03423E	470		952.3	1006.9	31.5	4.0			0	T	-3	3
KADUGLI	1100N	02943E	499		953.9	1009.3	27.5		14.1		0	0	4	
JUBA	0452N	03136E	457	30	956.3	1007.5	28.0	1.9	24.4	2.0	7	61	19	4
<b>ETHIOPIA</b>														
ASHARA	1517N	03855E	2325	30	772.9		12.0	-3.0	9.9	-0.9	3	17	-12	3
GONDAR	1232N	03726E	1966	26	804.9		18.8	-1.4	9.9	-2.4	3	42	-18	3
JIMMA	0740N	03650E	1577	30	831.1		18.2	-0.2	14.6	1.5	3			97
ADDIS ABABA	0859N	03848E	2324	30	766.5		16.7	0.8	6.9				269	104
DIRE DAWA	0936N	04152E	1146	30	887.0		23.6	0.6	10.1	-2.1				108
<b>DJIBOUTI</b>														
DJIBOUTI	1133N	04309E	19		1010.7	1012.8	27.4	0.4	23.1	0.9	0	0	-28	2
													304	110

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
AFRICA	0°	0°	m		mb	mb	°C	°C	mb	mb	mm	mm	hr	%
SOMALIA														
MOGADISCIO	0202N	04521E	9		1011.8	1012.8	27.2	0.3			2	34	-21	3
KENYA														
MOYALE	0332N	03903E	1097	30	790.1	1488 Y	23.4	1.1	18.3	-0.5	6	50	-53	1 97
ELDORET	0032N	03517E	2133		994.9	1011.6	30.2	1.3	22.0	-2.5	12	130	6 222	100
GARISSA	0028S	03938E	147		839.5	1512 Y	20.2	0.9	15.7		5	21	-75	1 264
NAIROBI/KENYATTA AIRPORT	0119S	03655E	1624		1009.4	1012.0	28.5		28.6		12	64	-68	1 168 80
MALINDI	0314S	04006E	23								2	21	-53	2 288 105
UNITED REPUBLIC OF TANZANIA														
MWANZA	0228S	03255E	1140		886.5		23.0		20.3		2	84	-63	2
TABORA AIRPORT	0505S	03250E	1190		882.0	1498 Y	24.6	0.2	17.4	1.1	10	60	-58	2
DODOMA	0610S	03546E	1120		890.7	1527 Y	24.5		16.2					
DAR ES SALAAM AIRPORT	0652S	03912E	55		1007.2	1013.3	27.0	0.7	26.6	1.7	3	11	-104	1
SONGEA	1041S	03535E	1067		898.3	1549 Y	25.0	1.3	16.0	-1.0	0	10	-47	2
RWANDA														
KIGALI	0158S	03007E	1497		851.5	1509 Y	19.9		18.6		14	208		
CONGO														
MOUYONDZI	0359S	01355E	512		953.1	1009.4	24.0	0.0	25.5		15	254	-14	3 169
SIBITI	0341S	01321E	531		951.6	1010.0	23.8	0.1	24.8		15	247	-61	2
DJAMBALA	0232S	01446E	790		923.1	1008.4	22.5	-0.3	23.3		5	236	-32	2
MAKOUA	0001S	01535E	379		968.2	1010.2	25.0	-0.4	26.8		8	136	-57	1 174
CENTRAL AFRICAN REPUBLIC														
BERBERATI	0415N	01548E	583			1009.4	24.4	0.1	25.6	1.8	6	38	-46	1 222
BOUAR	0558N	01538E	1020		899.5	1511 Y	24.0	0.2	18.4	1.6	2	28	-8	3
BOSSEMBELE	0516N	01738E	674		935.4	1008.3	24.7	0.5	23.6	2.1	6	22	-30	2
BOSSANGOA	0629N	01726E	465		957.4	1008.3	26.4	0.9	23.8	2.3	0	0	-27	1 250 100
BANGUI	0424N	01831E	366		968.8	1009.5	25.3	0.0	26.7	1.1	9	82	-4	3 183 105
BRIA	0632N	02159E	584		945.0	1008.7	24.9	0.4	23.9	2.4	4	25	-14	3 244
BAMBARI	0551N	02039E	475		956.8	1008.9	25.2	-0.2	25.9	3.1	5	52	8	4 215
BENIN														
KANDI	1108N	00256E	292		977.7	1010.4	27.0	0.8	12.7	-3.0	0	0	-2	5 270
NATITINGOU	1019N	00123E	461		959.8	1010.9	25.6	-0.2	15.7	-1.9	1	3	-15	3 267
PARAKOU	0921N	00237E	393	30	967.0	1010.5	27.0	0.9	18.3	-0.8	0	0	-8	3
SAVE	0759N	00226E	200		988.1	1010.4	28.0	0.6	25.3	0.5	0	0	-26	2 230
BOHICON	0710N	00204E	167		1009.2	1010.7	28.3	0.6	27.3	0.0	0	T	-33	1 269
COTONOU	0621N	00223E	9		1009.7	1010.7	28.9	1.4	31.6	1.0	1	1	-54	1 250
TOGO														
DAPAON	1052N	00015E	330		973.2	1010.1	29.3		12.6		0	0		277
MANGO	1022N	00028E	146		993.3	1009.7	28.2	0.6	18.2	-0.6	0	0	-12	3 90
SOKODE	0859N	00109E	387		966.8	1010.7	25.7	0.1	20.1	0.5	0	0	-21	2 110
ATAKPAME	0735N	00107E	402		966.6	1010.7	27.0	0.9	24.4	0.6	0	0	-36	0 267 105
TABLIGBO	0635N	00130E	44		1005.9	1011.0	28.1	0.9	29.8	1.1	1	1	-34	1
LOME	0610N	00115E	25		1008.1	1010.9	28.5	1.7	31.9	2.8	0	T	-22	1 245 100
BURKINA FASO														
DORI	1402N	00002W	277		980.1	1011.1	27.9	0.4	11.8	0.9	0	0	0	5 318
OUAHIGOUYA	1334N	00225W	336		973.1	1010.3	29.0	1.8	9.4	-1.8	0	0	-2	0 306
FADA N'GOURMA	1202N	00022E	309		975.8	1010.2	28.0	1.0	11.9	-1.6	0	0	-1	0 281
BOBO-DIOULASSO	1110N	00419W	460		959.5	1010.2	28.0	1.0	14.2	-1.4	0	0	-9	0 282
BOROMO	1145N	00256W	271		979.9	1010.2	27.3	0.1	14.0	-0.7	0	0	-7	0 284
GAOUA	1020N	00311W	335		973.0	1010.0	28.4	0.6	19.7	1.2	1	1	-15	2 279
COTE D'IVOIRE														
KORHOGO	0925N	00537W	381		967.5	1009.7	27.6	1.1	24.6	3.6	3	36	4	261
BONDOUKOU	0803N	00247W	370		968.5	1009.9	26.6	1.0	26.5	1.9	0	T	-38	1 199
MAN	0723N	00731W	340		973.2	1011.2	25.1	0.6	26.9	1.7	2	8	-42	1 224
BOUAKE	0744N	00504W	376		968.4	1011.8	26.2	0.5	26.4	1.5	3	9	-23	2 178
GAGNOA	0608N	00557W	210		987.4	1011.1	26.3	0.2	29.4	2.0	5	78	-30	2 191
DALOA	0652N	00628W	277		979.7	1010.6	26.1		27.8	1	4	-47	1 170	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE			
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MM	TOTAL	DEPARTURE	QUINTILE		
AFRICA	0°	0°	m	mb	mb	°C	°C	mb	mb	mm	mm	hr	Total	%		
COTE D'IVOIRE																
DIMBOKRO	0639N	00442W	92	999.9	1010.3	27.6	0.3	29.2	1.4	1	1	-60	0	212		
YAMOUSSOUKRO	0654N	00521W	213	986.3	1010.3	25.6		27.6		3	12			168		
ABIDJAN	0515N	00356W	8	1009.6	1010.5	28.5	1.5	32.0	2.3	9	87	-77	1	253		
ADIAME	0518N	00318W	39	1007.8	1012.2	27.3	0.9	30.7	1.6	4	49	-120	1	246		
TABOU	0425N	00722W	21			26.7	0.7	32.6	3.4	4	78	-126	1	242		
SAN PEDRO	0445N	00639W	30			26.9	0.9	31.5	2.5	7	63					
SASSANDRA	0457N	00605W	66	1003.7	1011.2					21	-131	0				
LIBERIA																
ROBERTS FIELD	0615N	01021W	18	1010.3	1011.3	27.1	1.0	30.1	1.1	11	81	-89	1			
FRANCE (COMOROS)																
DZAOUZI/PAMANZI (MAYOTTE)	1248S	04517E	7	1012.2	1013.0	26.7	0.1	28.6	1.0	9	103	19	4			
MADAGASCAR																
DIEGO-SUAREZ	1221S	04918E	105	1001.6	1013.5	26.7	-0.1	24.1	0.5	6	76	19	4	282		
ANTANANARIVO/IVATO	1848S	04729E	1276	876.7	1540	Y	19.4	-0.7	16.6	-0.5	9	254	75	5	243	
TAMATAVE	1807S	04924E	6	1015.9	1016.6	24.1	-0.4	25.5	-0.3	15	217	38	4	201		
TULEAR	2323S	04344E	8	1012.6	1013.5	24.9	-0.4	27.5	3.7	1	1	-27	1	356		
MOZAMBIQUE																
PEMBA	1258S	04030E	50	30	1002.1	1013.3	26.9	0.0	26.7	-1.4	4	241	209	6	295	
LICHINGA	1317S	03515E	1365	30	866.4	1528	Y	22.2	1.4	16.4	0.2	5	31	-55	1	116
NAMPULA	1506S	03917E	441	30	963.1	1012.5	26.9	1.2	21.8	0.4	3	25	-35	2	120	
TETE	1611S	03335E	150	30	994.2	1011.0	30.9	1.2	23.9	2.1	4	47	-8	3	122	
QUELIMANE	1753S	03653E	16	30	1012.4	1014.3	27.3	0.4	25.9	-0.3	3	12	-79	1	311	
BEIRA	1948S	03454E	16	30	1012.4	1014.2	26.7	0.7	24.7	-0.9	2	13	-105	0	302	
INHAMBARNE	2352S	03523E	15	30	1014.8	1016.4	25.4	0.7	23.8	0.4	3	11	-72	1	264	
MAPUTO/MAVALANE	2555S	03234E	44	30	1011.9	1017.1	24.2	0.4	22.7	0.7	10	74	7	4	73	
ZAMBIA																
KASAMA	1013S	03108E	1384		862.1	1504	Y	24.5	2.5	15.2	-1.0	8	51	-113	1	
MONGU	1515S	02309E	1053		895.2	1505	Y	26.4	2.9	17.3	-1.0	6	40	-76	1	275
KABWE	1427S	02828E	1207		880.0	1509	Y	25.6	3.1	13.5	-3.2	6	47	-64	1	
LIVINGSTONE	1749S	02549E	986		908.9	1578	Y	29.6	4.7	14.2	-2.1	4	17	-76	1	247
MALAWI																
KAMUZU INTL.	1347S	03346E	1229	30	880.0	1527	Y	24.1		15.1		2	5			
ZIMBABWE																
HARARE (KUTSAGA OBSY.)	1755S	03108E	1480		854.6	1523	Y	22.8	2.0	13.6	-1.3	3	9	-102	0	277
BULAWAYO (GOETZ OBSY.)	2009S	02837E	1344		868.1	1527	Y	24.3	2.7	13.7	-1.0	7	80	-18	3	270
BOTSWANA																
MAUN	1959S	02325E	900		907.6	1523	Y	27.4	1.9	1.1		85	36	5	291	
SOUTH AFRICA																
PIETERSBURG	2352S	02927E	1200		884.2	1540	Y	21.8	1.5	17.6	2.3	7	110	31	4	213
PRETORIA	2544S	02811E	1300		873.5	1536	Y	21.6	1.2	16.4	2.1	12	169	60	5	233
JAN SMUTS	2608S	02814E	1700		883.8	1536	Y	19.1	1.3	14.8	2.1	18	200	81	5	233
ALEXANDER BAY	2834S	01632E	21	1013.3	1016.0	17.0	-0.1	14.0	-0.5	0	0	-2	0	328	106	
UPINGTON	2824S	02116E	800		922.7	1516	Y	25.4	0.8	9.1	0.4	2	11	-4	3	333
KIMBERLEY	2848S	02446E	1200		881.5	1514	Y	23.4	1.3	11.9	1.8	5	45	-1	3	291
BLOEMFONTEIN (J.B.M. HERTZOG)	2906S	02618E	1400		862.2	1523	Y	21.1	1.4	11.9	0.6	9	52	-13	3	287
BETHLEHEM AIRPORT	2815S	02820E	1700		834.1	1540	Y	17.4		14.0	12	182				240
LADYSMITH	2834S	02946E	1100		895.0	1543	Y	19.9		17.7	9	106				195
DURBAN (LOUIS BOTHA)	2958S	03057E	8	1014.9	1016.5	21.5	0.2	21.0	1.1	14	127	24	5	117	71	
BEAUFORT WEST	3221S	02236E	800		923.9	1516	Y	20.6	0.7	10.2	3	17	-4	3	319	100
CAPE TOWN (D.F. MALAN)	3359S	01836E	42	1010.7	1016.5	17.2	-0.6	13.3	-0.6	5	10	-8	3	306	102	
GEORGE AIRPORT	3400S	02223E	193		994.0	1017.7	16.8	0.5	13.8	3	12	-62	1	235	105	
PORT ELIZABETH	3359S	02536E	60	1009.9	1017.2	18.1	0.0	15.5	-0.4	6	25	-26	2	236	93	
EAST LONDON	3302S	02750E	125		1001.9	1016.9	18.7	0.1	16.7	0.0	8	81	-13	3	149	66
GOUGH ISLAND	4021S	00953W	54		1011.8	1018.2	10.5	-1.4	10.2	-1.4	14	286	33	4	148	90
MARION ISLAND	4653S	03752E	22		1004.4	1007.1	5.9	0.8	7.7	0.5	18	131	-66	1	189	126

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
N AMERICA	0°	0°	m	mb	mb	mb	°C	°C	mb	mb	mm	mm	hr	%
USA														
BARROW/W. POST W. ROGERS, AK.	7118N	15647W	4	1020.6	1021.2	-20.6	-2.3	1.1	-0.4	0	1	-7	1	
BARTER ISLAND, AK.	7008N	14338W	15	1015.8	1017.9	-19.1	-1.4	1.4	-0.6	10	29	19	6	
KOTZEBUE, RALPH WIEN, AK.	6652N	16238W	5	1007.5	1008.1	-15.0	-1.7	1.9	-0.2	2	34	22	5	
NOME, AK.	6430N	16526W	7	1003.2	1004.0	-11.1	-2.3	2.3	-0.7	7	17	-7	3	
BETHEL/BETHEL AIRPORT, AK.	6047N	16148W	46	996.2	1001.6	-10.6	-2.5	3.1	0.0	5	13	-11	2	
MCGRATH, AK.	6258N	15537W	103	990.2	1003.1	-14.2	0.5	2.0	0.0	14	53	23	5	
FAIRBANKS/INT., AK.	6449N	14752W	138	986.5	1004.4	-14.4	1.2	1.8	0.0	6	16	-1	4	
ANCHORAGE/INT., AK.	6110N	15001W	40	992.2	997.3	-2.8	2.7	4.4	0.6	8	48	21	5	
ST. PAUL, AK.	5709N	17013W	9	1002.8	1003.7	-2.2	-2.9	4.4	-1.4	9	32	-31	1	
COLD BAY, AK.	5512N	16243W	31	997.5	1001.5	-1.1	-2.4	4.8	-1.2	10	80	-26	3	
KING SALMON, AK.	5841N	15639W	15	996.4	998.4	-8.6	-3.6	3.7	-0.1	10	70	34	5	
YAKUTAT, AK.	5931N	13940W	9	998.8	1000.0	2.8	2.5	7.0	1.7	27	707	313	5	
ANNETTE ISLAND, AK.	5502N	13134W	34	1004.5	1006.9	6.5	2.2	8.5	1.6	26	453	115	5	
KEY WEST/INT., FL.	2433N	08145W	6	1015.3	1016.0	24.4	0.7	24.7	10	148	77	5	285	
MIAMI, FL.	2549N	08017W	4	1016.3	1016.7	23.9	1.2	22.8	1.9	13	125	56	5	
WEST PALM BEACH/INT., FL.	2641N	08007W	6	1016.8	1017.5	23.3	21.8	11	239	5				
ORLANDO/JETPORT/ FL.	2826N	08119W	32	1014.8	1018.5	20.6	18.8	11	262					
JACKSONVILLE/INT., FL.	3030N	08142W	9	1018.9	1019.9	16.7	0.3	15.9	1.8	6	127	84	6	
SAVANNAH/MUNICIPAL, GA.	3208N	08112W	15	1019.1	1020.9	15.6		13.3	3	53	4			
CHARLESTON/MUN., SC.	3254N	08002W	15	1019.4	1021.3	15.6	1.9	13.4	1.9	8	93	38	5	
TAMPA/INT., FL.	2758N	08232W	3	1017.8	1018.2	20.6	18.5	10	110	5	181	90		
TALLAHASSEE/MUN., FL.	3023N	08422W	21	1017.3	1019.6	16.1	13.8	7	162	5				
MACON/LEWIS B. WILSON, GA.	3242N	08339W	110	1007.5	1020.9	13.9	1.1	11.0	4	85	26	4	209	
AUGUSTA/BUSH FIELD, GA.	3322N	08158W	45	1015.5	1021.0	13.6		11.0	5	103	5			
ATLANTA/MUN., GA.	3339N	08425W	315	983.8	1021.0	13.2	2.1	9.5	0.2	5	60	-38	2	
MOBILE/BATES FIELD, AL.	3041N	08815W	67	1012.0	1019.9	15.0	0.4	12.8	7	141	72	5		
MONTGOMERY/DANNELLY, AL.	3218N	08624W	62	1013.6	1021.0	14.4		10.4	4	112	5	200	115	
NEW ORLEANS, LA	2959N	09015W	9	1018.9	1019.8	16.4	0.2	14.2	0.5	7	74	-34	3	
MERIDIAN/KEY, MS.	3220N	08845W	94	1009.7	1020.9	13.3		10.4	5	103	4			
JACKSON/ALLEN C. THOMP., MS.	3219N	09005W	101	1008.3	1020.3	13.9	10.6	6	107	240	140			
LAKE CHARLES/MUN., LA.	3007N	09313W	10	1018.8	1019.9	15.6		13.6	6	167	197			
GALVESTON, TX.	2918N	09448W	16	1017.5	1019.5	17.8	0.5	15.8	5	73	-12	3		
HOUSTON/INTERCONTINENTAL, TX.	2958N	09521W	33	1015.2	1018.9	15.6		13.4	5	87	164	90		
SHREVEPORT/REG., LA.	3228N	09349W	79	1010.5	1019.9	13.3	-1.3	11.4	7	247	174	6	206	
BROWNSVILLE/INT., TX.	2554N	09726W	6	1017.4	1018.0	20.0	0.2	18.4	1.2	4	92	55	5	
CORPUS CHRISTI/INT., TX.	2746N	09730W	13	1017.0	1018.7	17.8		15.9	5	45	4	148	80	
SAN ANTONIO/INT., TX.	2932N	09828W	242	990.3	1018.6	16.1	0.6	12.4	1.5	6	64	-3	3	
AUSTIN/ROBERT MUELLER., TX.	3018N	09742W	189	997.1	1019.2	15.6		12.4	4	78	4			
VICTORIA/VICTORIA REG., TX.	2851N	09655W	36	1015.3	1019.5	16.7		15.4	4	150				
WACO, MADISON-COOPER, TX.	3137N	09713W	155	1001.2	1019.4	13.9		11.7	6	113	5			
DALLAS-FORT WORTH/FORT., TX.	3254N	09702W	182	997.7	1019.1	13.2		10.7	8	116	5	158	85	
SAN ANGELO/MATHIS, TX.	3122N	10030W	582	951.5	1018.7	11.9		9.0	4	20	3			
MIDLAND/MIDLAND REG., TX.	3157N	10211W	872	918.2	1017.4	10.6	-0.9	7.2	0	1	-13	2	222	
ABILENE, TX.	3225N	09941W	534	955.1	1018.3	12.2	0.3	8.8	0.6	2	29	-5	3	
LUBBOCK/LUBBOCK INT., TX.	3339N	10149W	988	905.7	1017.9	10.0		7.0	2	3	2	226	105	
EL PASO/INT., TX.	3148N	10624W	1194	883.6	1016.6	11.1	0.2	6.0	0.7	3	7	-1	4	
TUCSON/INT., AZ.	3207N	11056W	779	927.2	1015.3	15.0		6.7	1	11	3	298	110	
PHOENIX/SKY HARBOR INT., AZ.	3326N	11201W	337	977.3	1016.4	17.2	1.3	7.8	0.8	1	26	12	5	
SAN DIEGO/LINDBERGH, CA.	3244N	11710W	9	1016.0	1017.0	16.7	0.1	13.0	1.2	6	34	6	4	
LOS ANGELES/INT. CA.	3356N	11824W	32	1013.3	1017.0	16.7		12.3	4	15	3			
CAPE HATTERAS, NC.	3516N	07533W	3	1021.1	1021.5	14.4	0.9	13.3	0.6	10	131	8	4	
RALEIGH/RALEIGH-DURHAM, NC.	3552N	07847W	134	1005.6	1021.8	11.7		9.7	6	35	2	174	95	
NORFOLK/INT., VA.	3654N	07612W	9	1021.0	1022.1	12.2		10.6	7	100	4			
COLUMBIA, SC.	3357N	08107W	69	1013.2	1021.4	12.8	0.9	10.5	6	116	59	5	188	
GREENVILLE/GREENVILLE-SP., SC	3454N	08213W	296	986.7	1021.8	11.7		9.2	7	71	219	115		
CHARLOTTE/DOUGLAS, NC.	3513N	08056W	234	994.4	1022.3	11.7		9.1	8	103	4	197	105	
ASHEVILLE/REG., NC.	3526N	08233W	661	945.2	1022.2	8.3	0.2	7.7	-0.5	8	78	0	4	
GREENSBORO/G.-HIGH PT., NC.	3605N	07957W	270	989.8	1022.0	10.3		8.6	8	93	4	154	85	
CHATTANOOGA/LOVELL FIELD, TN.	3502N	08512W	210	996.3	1021.3	11.1		9.0	4	61	1	205	130	
KNOXVILLE/MUN., TN.	3549N	08359W	299	985.9	1021.4	10.0		8.2	4	31	0	201	130	
NASHVILLE/OLD HICKORY, TN.	3615N	08634W	180	999.8	1021.8	11.1	1.9	8.8	0.4	7	86	-3	3	
N. LITTLE ROCK/MUN.APRT., AR.	3450N	09215W	165	1000.8	1020.5	11.7	1.0	8.6	-0.5	10	259	148	6	
FORT SMITH/MUN., AR.	3520N	09422W	141	1003.2	1020.2	11.1		9.7	8	119	4	131	80	
OKLAHOMA CITY/W.R.WORLD, OK.	3524N	09736W	397	972.4	1019.4	10.3	1.0	9.0	1.4	5	49	10	4	
TULSA/INT., OK.	3612N	09554W	206	994.8	1019.4	11.1		8.8	7	131	5	151	95	

N AMER-USA

## SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MEAN	DEPARTURE	TOTAL	% OF AV.
N AMERICA	0°	0°	m	m	mb	mb	°C	°C	mb	mb	mm	mm	hr	%
USA														
ALBUQUERQUE/INT., NM.	3503N	10637W	1620	839.3	1017.8	7.2	0.5	5.1	0.7	3	11	1	241	101
LAS VEGAS/MCCARRAN, NV.	3605N	11510W	664	941.4	1018.5	11.7	-0.3	7.4	2.5	3	46	35	5	244 98
FRESNO/AIR TERM., CA.	3646N	11943W	100	1008.3	1020.2	11.1		10.4		4	13	2	158	85
SANTA MARIA/PUBLIC, CA.	3454N	12027W	73	1010.1	1018.9	12.9	0.0	11.0	1.3	5	15	-22	2	
RICHMOND/BYRD, VA.	3730N	07720W	54	1015.5	1022.0	10.6		9.0		7	80	3	207	115
WASHINGTON/NAT., VA.	3851N	07702W	20	1019.4	1021.7	10.0	0.7	8.9	0.7	6	114	41	4	
BALTIMORE/BALTIMORE-WAS., MD.	3911N	07640W	47	1015.9	1021.4	8.8		8.4		6	128	5	165	105
ATLANTIC CITY, NJ.	3927N	07434W	20	1018.1	1020.7	8.6		8.8		7	56	2		
PHILADELPHIA/INT., PA.	3953N	07515W	9	1020.1	1021.1	8.9	1.4	7.8		5	53	-29	3	147 95
ROANOKE/MUN., VA.	3719N	07958W	358	978.9	1021.7	9.8		7.9		6	127	5		
BECKLEY/RALEIGH CTY. M., VA.	3747N	08107W	766	932.5	1022.3	7.8		6.7		6	43			
CHARLESTON/KANAWHA, WV.	3822N	08136W	299	985.7	1021.5	9.4		7.6		6	69	3		
CINCINNATI/GREATER CIN., OH.	3903N	08440W	267	989.1	1021.2	8.9	2.0	7.4		7	46	-30	2	
LEXINGTON/BLUE GRASS, KY.	3802N	08436W	301	984.8	1020.8	10.0		7.6		7	69	3		
LOUISVILLE/STANDIFORD, KY.	3811N	08544W	149	1002.4	1020.7	10.6		8.0		9	67	2	179	130
HUNTINGTON/TRI-STATE, WV.	3822N	08233W	255	990.6	1021.2	10.0		7.7		6	64			
COLUMBUS/PORT COLUMBUS, OH.	4000N	08352W	254	990.3	1021.0	8.7	2.5	7.9	0.9	9	41	-24	2	134 130
DAYTON/JAMES M. COX DAY., OH.	3954N	08412W	306	983.9	1020.7	8.3	2.5	7.5	0.6	11	50	-16	2	151 114
EVANSVILLE/REG., IN.	3803N	08732W	118	1006.3	1020.6	9.7		7.9		8	85	3	162	110
ST. LOUIS/LAMBERT, ST., MO.	3845N	09022W	172	998.9	1019.7	9.4	2.4	7.5	-0.3	10	104	40	5	
INDIANAPOLIS/I.-MUN/WEI., IN.	3944N	08616W	246	990.7	1020.5	7.8		7.8		9	65	3	124	105
SPRINGFIELD/CAPITAL, IL.	3951N	08940W	187	997.3	1019.3	7.8		7.3		8	83		148	105
SPRINGFIELD/MUN., MO.	3714N	09323W	387	973.6	1019.8	8.3		7.7		6	233	6	134	85
COLUMBIA/REGIONAL, MO.	3849N	09213W	274	986.3	1019.2	7.9	1.1	7.4	0.9	8	85	29	5	
KANSAS CITY, INT., MO.	3919N	09443W	312	981.7	1019.3	8.3		8.0		7	48			
WICHITA, KS.	3739N	09726W	408	970.3	1018.9	8.9	2.0	8.1	1.3	5	38	-5	3	181 110
DODGE CITY/MUN., KS.	3746N	09958W	790	926.2	1018.4	7.2	1.4	6.7		4	13	-6	3	
TOPEKA/MUN., KS.	3904N	09537W	270	986.7	1018.9	8.3	2.4	7.9		5	49	5	3	156 105
CONCORDIA/BLOSSER MUN., KS.	3933N	09739W	452	964.6	1018.5	7.2		7.5		3	18	1	4	185 105
GOODLAND/RENTER FIELD/, KS.	3922N	10142W	1124	889.7	1018.9	4.4		5.7		5	26	5		
DENVER/STAPLETON INT., CO.	3945N	10452W	1625	837.0	1018.0	4.4	-0.2	5.0	0.9	5	41	23	5	227 115
GRAND JUNCTION/WALKER F., CO.	3907N	10832W	1475	855.0	1020.8	4.4	-0.1	5.6	1.4	7	49	33	6	203 110
SACRAMENTO/EXECUTIVE, CA.	3831N	12130W	8		1019.6	11.9	-0.3	10.7	1.0	4	64	10	4	221 114
ELY/YELLAND, NV.	3917N	11451W	1909	824.4	1020.5	1.7	0.7	5.5	1.8	9	41	26	5	195 100
RENO/INT., NV.	3930N	11947W	1341	868.6	1020.4	5.6		5.6		3	9	3		
SAN FRANCISCO/INT., CA.	3737N	12223W	5	1019.3	1020.0	13.9	1.4	11.7	1.5	4	42	-16	3	
NEW YORK/LA GUARDIA, NY.	4046N	07354W	9	1020.2	1021.2	8.9	0.6	8.0	0.6	7	65	-28	3	
PROVIDENCE/GREEN STATE, RI.	4144N	07126W	19	1018.6	1020.6	6.1		7.0		8	88	3	182	125
HARTFORD/BRADLEY INT., CT.	4156N	07241W	55	1013.4	1020.1	5.0		6.4		9	93	3		
BOSTON/LOGAN INT., MA.	4222N	07102W	9	1019.3	1020.3	6.7	-0.5	6.8	-0.4	8	87	-20	3	169 120
WILKES-BARRE-SCRANTON, PA.	4120N	07544W	289	985.8	1021.1	5.0		6.8		8	57		98	95
BINGHAMTON/BROOME CO., NY.	4213N	07559W	497	960.1	1020.1	3.9		6.6		9	46		140	155
ALLENTOWN/A.-BETHLEHEM-, PA.	4039N	07526W	117	1006.5	1020.9	6.1		6.8		8	101	4	151	
ALBANY/ALBANY CO., NY.	4245N	07348W	89	1009.6	1020.5	4.4	-0.4	6.3		7	45	-37	2	94 95
SYRACUSE/HANCOCK, NY.	4307N	07607W	124	1004.9	1019.8	5.0		6.7		13	77	3	80	105
PITTSBURGH/GREATER PITT., PA.	4030N	08013W	373	975.5	1020.4	7.8	1.2	7.2		8	51	-9	2	112 130
AKRON/AKRON-CANTON REG., OH.	4055N	08126W	377	975.6	1020.7	7.2		7.2		10	35	1		
YOUNGSTOWN, OH.	4116N	08040W	361	976.4	1020.8	6.7		7.2		11	39	1		
BUFFALO/GREATER BUFFALO, NY.	4256N	07844W	215	993.6	1019.9	5.6	1.0	7.1	0.1	11	113	23	4	120 145
ROCHESTER/ROCHESTER-MON., NY.	4307N	07740W	169	999.1	1020.0	4.8		6.7		14	70	3	89	110
CHICAGO/O'HARE, IL.	4159N	08754W	205	994.7	1019.7	6.7		7.3		8	70	4		
PEORIA/GREATER PEORIA, IL.	4040N	08941W	202	994.9	1019.4	7.2		7.7		7	73	5	146	115
FORT WAYNE/MUN., BAER FL., IN.	4100N	08512W	252	989.5	1020.1	6.7		7.7		11	95	5	133	105
SOUTH BEND/ST. JOSEPH CO., IN.	4142N	08619W	236	990.1	1018.9	6.7		7.2		10	54	2		
TOLEDO/EXPRESS, OH.	4136N	08348W	211	994.7	1020.1	7.2		7.3		8	66		110	100
DETROIT/METROPOLITAN, MI.	4214N	08320W	202	994.7	1019.4	6.7	1.5	7.5		10	81	23	4	
MOLINE/QUAD CITY, IL.	4127N	09031W	181	997.3	1019.1	6.7		7.6		10	85	5	134	110
DES MOINES/MUN., IA.	4132N	09339W	294	983.6	1019.0	6.2	2.2	7.5	1.7	7	83	45	5	131 95
OMAHA, NE.	4122N	09601W	406	969.6	1018.3	6.1	2.0	7.4		6	24	-8	3	
NORFOLK/KARL STEFAN, NE.	4159N	09726W	473	962.0	1018.8	5.0		6.8		4	30	5		
SIOUX CITY/MUN., IA.	4224N	09623W	336	978.4	1019.2	5.6		6.7		4	24	4	126	85
NORTH PLATTE/LEE BIRD, NE.	4108N	10041W	849	919.3	1019.3	3.3	1.6	6.2	2.0	4	32	18	5	169 92
CHEYENNE, WY.	4109N	10449W	1872	812.1	1018.5	2.8		4.3		6	19	4	238	135
CASPER/NATRONA COUNTY I., WY.	4255N	10628W	1612	838.2	1019.2	1.7		4.8		5	20	4		
SALT LAKE CITY/INT., UT.	4047N	11158W	1288	874.7	1020.9	5.0	0.7	6.2	1.0	7	30	-1	3	184 120

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	mm	DEPARTURE	QUINTILE
<b>N AMERICA</b>															
USA	0°	0°	m		mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%
LANDER/HUNT, WY.	4249N	10844W	1694		830.2	1021.1	-1.1		4.3		7	30	5		
POCATELLO/NUM., ID.	4255N	11236W	1365		865.9	1021.7	2.2		6.1		6	11	2	129	100
WINNEMUCCA/MUN., NV.	4054N	11748W	1322		871.4	1020.8	3.9	0.7	5.9	1.4	4	22	3	4	209
EUREKA, CA.	4048N	12410W	18		1017.8	1020.1	12.8	-1.9	11.4		11	107	-49	2	140
MEDFORD/MEDFORD-JACKSON, OR.	4222N	12252W	405		972.2	1020.6	8.3	1.9	8.2	0.5	9	43	-38	2	
CONCORD/MUN., NH.	4312N	07130W	105		1007.0	1019.8	2.8		5.5		8	63	2	115	90
PORTLAND/INT. JET PORT, ME.	4339N	07019W	19		1016.5	1018.9	3.3		5.8		8	97	2	134	95
BURLINGTON/INT., VT.	4428N	07309W	104		1007.1	1019.9	2.8	0.2	5.8	0.0	11	57	-14	2	105
GRAND RAPIDS/KENT CO., MI.	4253N	08531W	245		989.1	1018.9	5.0		7.3		12	63		83	100
MUSKEGON/COUNTY, MI.	4310N	08615W	193		995.2	1018.5	5.6		7.3		14	81	4		
FLINT/BISHOP, MI.	4258N	08345W	233		991.0	1019.3	5.3		7.2		13	84	5		
MILWAUKEE/GEN. MITCHELL, WI.	4257N	08754W	211		992.9	1019.2	5.6		7.8		12	69	5	95	85
MADISON/DANE COUNTY REG., WI.	4308N	08920W	264		986.3	1018.4	4.4	2.5	7.0		12	82	37	5	
ROCHESTER/MUN., MN.	4355N	09230W	402		970.2	1018.6	2.8		6.5		9	49			
GREEN BAY/A.-STRAUBEL, WI.	4429N	08808W	214		992.2	1018.6	3.3		7.0		9	78	5	66	65
SIOUX FALLS/FOSS FIELD, SD.	4335N	09644W	435		966.3	1018.8	3.3		6.1		6	42	5		
HURON/HURON REGIONAL, SD.	4423N	09813W	393		971.3	1019.0	2.8	2.7	5.9		3	19	0	3	176
MINNEAPOLIS/ST. PAUL INT., MN.	4453N	09313W	255		987.6	1018.9	3.3	2.8	6.3		5	53	20	5	152
RAPID CITY/REG., SD.	4403N	10304W	966		906.3	1019.0	4.4	2.8	5.2	1.3	2	8	-5	2	174
SHERIDAN/COUNTY, WY.	4446N	10658W	1209		879.9	1019.8	3.0	2.7	5.1	1.1	5	30	9	5	180
BILLINGS/LOGAN INT., MT.	4548N	10832W	1088		892.5	1018.4	4.4		4.6		2	7	1	179	140
BOISE/MUN., ID.	4334N	11613W	874		919.7	1021.9	5.0	0.7	6.7	1.4	6	26	-7	2	130
PENDLETON, OR.	4541N	11851W	456		966.1	1020.9	5.9		7.0		6	19	2		
PORTLAND/INT., OR.	4536N	12236W	12		1018.3	1019.7	9.4	1.1	9.4	0.8	9	50	-101	1	88
CARIBOU/MUN., ME.	4652N	06801W	190		993.3	1016.9	-1.6	-0.9	4.7	-0.1	9	59	-25	2	
SAULT STE. MARIE, MI.	4628N	08422W	221		990.9	1018.4	0.6	0.3	5.9	0.4	12	87	4	3	100
MARQUETTE, MI.	4632N	08733W	434		965.0	1018.0	0.3	-1.1	5.7		12	103	38	5	
DULUTH/INT., MN.	4650N	09211W	432		966.0	1018.7	0.0	2.1	5.2	1.0	5	31	-12	2	120
INT. FALLS/FALLS INT., MN.	4834N	09323W	361		974.6	1019.0	-0.6	3.3	4.7	1.2	2	18	-14	1	
FARGO/HECTOR FIELD, ND.	4654N	09648W	274		986.0	1019.8	0.8		5.2		2	12	4	131	115
BISMARCK/MUN., ND.	4646N	10045W	506		958.5	1019.8	1.7	3.6	5.1	1.1	0	1	-12	1	140
WILLISTON/SLOULIN FIELD, ND.	4811N	10338W	581		949.3	1019.7	1.1		4.7		1	5	2	154	125
GLASGOW/INT., MT.	4813N	10637W	700		935.0	1018.8	2.8		4.6		0	1	1		
HELENA/COUNTY-CITY, MT.	4636N	11200W	1188		883.3	1021.9	1.7	1.9	4.4	1	3	-11	1	145	120
MISSOULA/JOHNSON-BELL F., MT.	4655N	11405W	972		908.1	1022.9	1.1		5.3	1	7	1	98	95	
GREAT FALLS/INT., MT.	4729N	11122W	1115		889.3	1019.2	4.7	3.6	4.7	0.9	2	7	-10	2	
YAKIMA/YAKIMA AIR TERM., WA.	4634N	12032W	325		981.6	1021.1	4.4		6.6		4	17	3		
SPOKANE/INT., WA.	4738N	11732W	721		935.2	1020.6	3.3	1.7	7.0	1.3	7	35	-17	2	72
ASTORIA/CLATSOP, OR.	4609N	12353W	7		1017.4	1018.3	10.0		10.3		13	109			
OLYMPIA, WA.	4658N	12254W	61		1018.5		7.8	1.8	9.8	1.4	13	93	-87	1	
SEATTLE/S.-TACOMA, WA.	4727N	12218W	137		1001.7	1018.5	9.4		9.5		10	82	2	74	95
QUILLAYUTE, WA.	4756N	12433W	62		1009.8	1017.5	8.9	2.1	10.4	1.6	16	288	-44	3	
BLUE HILL OBSR. WB., MA.	4213N	07107W	195		994.5	1018.8	5.3	-0.2	6.8	0.1	8	125	7	3	146
<b>CANADA</b>															
NORMAN WELLS, N.W.T.	6517N	12648W	73	30	1004.3	1014.1	-19.0	-0.5	1.1	-0.3	12	24	3	4	103
MOULD BAY A, N.W.T.	7614N	11919W	12	30	1018.8	1020.5	-30.5	-3.9	0.3	-0.4	1	6	2	5	
HALL BEACH,N.W.T.	6847N	08115W	8	30	1006.0	1007.1	-19.7	1.6	1.4	0.2	4	13	0	4	
ALERT,N.W.T.	8230N	06220W	63	30	1007.4	1016.6	-29.8	-3.2	0.5	0.0	1	2	-6	1	
CLYDE,N.W.T.	7028N	06937W	25	30	1005.2	1008.8	-18.6	-1.3	1.2	-0.3	4	20	5	4	150
SANDSPIT,B.C.	5315N	13149W	6	30	1006.8	1007.6	7.4	1.9	9.3	1.4	26	241	59	5	78
PORT HARDY,B.C.	5041N	12722W	22	30	1011.3	1014.6	7.3	2.1	9.3	1.4	23	341	96	5	55
SABLE ISLAND,N.S.	4356N	06001W	4	30	1015.5	1016.0	6.4	-0.8	8.2	-0.3	13	204	68	5	
SHEARWATER,N.S.	4438N	06330W	41	30	1010.0	1016.4	2.6	-2.0	6.7	-0.2	11	127	-16	3	99
TORONTO INT.AIRPORT ONT.	4341N	07938W	176	30	997.4	1018.7	3.4	0.1	6.6	0.0	6	83	20	4	
MONTRÉAL INT.AIRPORT, QUE	4528N	07345W	30	30	1014.4	1018.9	0.9	-1.1	5.4	-0.3	10	116	35	5	100
CHATHAM,N.B.	4701N	06527W	34	30	1011.4	1015.7	-0.3	-1.2	4.8	-0.6	7	55	-47	1	114
MANIWAKI,QUE.	4623N	07558W	170	30	997.0	1018.1	-1.1	-0.8	4.9	-0.3	10	70	-4	3	153
BAGOTVILLE,QUE.	4820N	07100W	163	30	997.5	1017.5	-3.9	-2.0	4.2	-0.3	12	85	12	4	
NORTH BAY,ONT.	4622N	07925W	369	30	972.7	1018.3	-1.1	-0.2	5.3	0.3	12	59	-28	2	115
GANDER INT.AIRPORT, NFLD.	4857N	05434W	147	30	993.4	1012.1	-0.3	-2.1	5.4	-0.4	15	88	-19	2	110
SEPT-ILES, QUE.	5013N	06616W	55	30	1007.0	1014.0	-3.1	-0.6	3.6	-0.5	8	81	-20	3	119
STEPHENVILLE,NFLD.	4832N	05833W	26	30	1009.4	1012.8	1.1	-1.8	5.3	-0.4	17	105	-15	2	80
GOOSE,NFLD.	5319N	06025W	44	30	1003.2	1009.3	-3.8	0.0	3.3	-0.7	10	56	-19	2	138
KAPUSKASING,ONT.	4925N	08228W	229	30	989.3	1017.8	-4.6	-0.5	4.0	-0.2	10	56	-25	2	

N AMER-CANADA

## SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL
<b>N AMERICA</b>															
CANADA															
MOOSONEE, ONT.	5116N	08039W	10	30	1014.9	1016.3	-5.4	-0.9	4.0	-0.2	9	60	-6	3	96
BIG TROUT LAKE, ONT.	5350N	08952W	222	30	989.1	1017.2	-6.7	2.2	3.5	0.4	7	35	-6	2	
WINNIPEG INT. AIRPORT, MAN	4955N	09714W	240	30	989.2	1019.0	-0.8	3.7	4.7	0.8	2	11	-14	2	134
REGINA, SASK.	5026N	10440W	574	30	948.0	1018.6	-0.7	4.4	4.4	0.8	0	1	-13	0	146
THE PAS, MAN.	5358N	10106W	271	30	983.1	1017.2	-4.1	3.4	3.4	0.1	2	11	-18	1	136
LETHBRIDGE, ALTA.	4938N	11248W	920	30	907.5	1016.9	3.7	4.5	4.9	0.9	1	4	-13	1	134
EDMONTON MUNICIPAL ALTA.	5334N	11331W	676	30	934.4	1015.1	1.1	4.8	4.8	1.3	1	4	-12	1	130
VANCOUVER INT. AIRPORT, BC	4911N	12311W	3	30	1017.5	1017.8	8.3	2.4	9.8	1.9	11	137	-13	3	87
PRINCE GEORGE, B.C.	5353N	12241W	691	30	932.3	1015.7	0.9	3.8	5.8	1.4	14	57	6	3	75
KUUKJUAQ, QUE.	5806N	06825W	37	30	1002.3	1007.1	-9.4	-1.2	2.8	-0.5	16	88	48	6	96
INUJKUAK, QUE	5827N	07807W	8	30	1007.3	1007.6	-6.3	0.8	3.6	-0.1	20	67	27	5	68
FROBISHER BAY, N.W.T.	6345N	06833W	34	30	1001.8	1006.2	-14.1	-1.2	2.0	-0.2	7	27	-7	3	139
CHURCHILL, MAN.	5845N	09404W	29	30	1009.3	1013.0	-11.4	0.7	2.4	-0.1	7	21	-18	1	120
CORAL HARBOUR, N.W.T.	6412N	08322W	64	30	999.2	1007.2	-17.9	-0.5	1.5	-0.2	7	30	12	5	95
EUREKA, N.W.T.	8000N	08556W	10	30	1014.3	1015.8	-33.5	-2.0	0.3	-0.1	3	5	2	5	
RESOLUTE, N.W.T.	7443N	09459W	67	30	1003.7	1013.0	-24.5	0.0	0.7	-0.1	3	7	1	4	
CAMBRIDGE BAY, N.W.T.	6906N	10507W	27	30	1010.1	1013.7	-23.3	0.5	1.0	0.0	2	7	-1	3	140
BAKER LAKE, N.W.T.	6418N	09600W	18	30	1002.1	1012.0	-20.0	0.2	1.3	0.0	11	28	11	5	96
FORT SMITH, N.W.T.	6001N	11158W	203	30	987.3	1013.2	-8.4	3.4	3.2	0.6	7	28	1	4	120
COPPERMINE, N.W.T.	6749N	11508W	22	30	1013.7	1016.8	-20.1	-0.5	1.3	-0.1	8	17	3	4	208
FORT NELSON, B.C.	5850N	12236W	382	30	964.3	1012.3	-9.8	2.2	2.6	0.4	4	15	-8	2	
INUVIK, N.W.T.	6818N	13329W	68	30	1006.8	1015.9	-21.7	-1.0	1.0	-0.3	10	34	16	5	
WHITEHORSE, Y.T.	6043N	13504W	703	30	918.9	1003.7	-3.3	5.5	4.1	1.2	1	-19	0		91
ST. PIERRE AND MIQUELON															
SAINT-PIERRE	4646N	05610W	5	30	1013.5	1014.1	3.7	-1.1	7.0	0.1	15	124	9	3	114
MEXICO															
UNIV. DE CHIHUAHUA, CHIH.	2838N	10605W	1435		1017.7	12.7	-1.1				1	2	-3	3	
TORREON, COAH.	2532N	10327W	1124		890.1	1013.5	18.0	0.0	8.7	-2.4	1	1	-4	3	228
LA PAZ, B.C.S.	2410N	11025W	27		1011.6	1014.6	23.3	0.3	17.7		1	1	-5	4	237
COLONIA JUAN CARRASCO MAZ.	2312N	10625W	4		1012.1	1012.1	24.0	-0.1	19.9	-1.5	1	8	-1	5	231
ZACATECAS, ZAC. (LA BUFA, ZAC.)	2247N	10234W	2612		747.6	1012.5	11.4	-0.9	7.3		0	2	-4	4	255
TAMPICO, TAMPS.	2213N	09751W	9		1014.9	1017.9	23.2	1.5	2.1		12	-41	1	160	55
GUANAJUATO, GTO.	2101N	10115W	1999		805.2	1013.3	15.7	0.0	11.1	0.4	1	-14	2	228	90
GUADALAJARA, JAL.	2040N	10323W	1551		847.2	1012.9	16.5	-1.0	10.9	-2.0	1	3	-10	3	227
AEROP. INT. MERIDA, YUC.	2059N	08939W	9		1014.0	1015.0	24.7	0.7	24.7	3.1	4	27	-8	3	
MANZANILLO, COL.	1903N	10420W	3		1012.1	1012.5	27.6	0.8	26.3	-0.3	0	0	-20	0	247
MORELIA, MICH.	1942N	10111W	1913		812.6	1012.8	15.5	-1.2	10.2	-2.3	4	37	21	5	129
COATZACOALCOS, VER.	1809N	09425W	23		1012.9	1016.9	24.3	0.0	25.1	-0.9	12	293	33	4	157
CHETUMAL, Q. ROO	1830N	08818W	3		1009.2	1010.2	25.8	2.4	24.8		4	60	11	4	220
OAXACA, OAX.	1704N	09643W	1550		846.6	1010.7	18.7	0.0	11.2		0	0	-8	0	270
ACAPULCO, GRO.	1650N	09956W	28		1012.4	1012.4	28.0	0.3	29.2	-2.2	2	27	-26	3	262
SALINA CRUZ, OAX.	1610N	09512W	6		1011.8	1012.5	28.5	1.3	20.0	-3.4	0	0	-20	0	298
SN. CRISTOBAL LAS CASAS, CHIS	1644N	09238W	2276		792.1	1010.8	14.3	1.2	13.2		2	4	-29	1	196
BAHAMAS															
NASSAU AIRPORT	2503N	07728W	7	30	1015.0	1015.8	24.8	1.3	25.2	2.1	5	37	-28	3	103
JAMAICA															
MONTEGO BAY/SANGSTER KINGSTON/NORMAN MANLEY	1830N	07755W	8		1012.6	1013.5	27.2	0.9	27.3	2.5	18	180	72	5	224
DOMINICAN REPUBLIC															
PUERTO PLATA	1945N	07033W	15		1012.3	1013.5	24.4	-1.0	25.0	-1.5	12	224	-42	3	
SANTO DOMINGO	1826N	06953W	14		1010.9	1012.5	26.9	1.2	22.8	-5.8	8	87	5	4	
BELIZE															
BELIZE/INT. AIRPORT	1732N	08818W	5		1013.9	1014.4	25.1	-0.1	27.0	0.3	8	132	-45	3	
NICARAGUA															
MANAGUA A.C. SANDINO	1209N	08610W	56		1007.2	1010.5	27.2	0.6	26.1		2	5	-37	0	244
COSTA RICA															
PUNTARENAS	0958N	08450W	3	30	1011.9	1011.9	28.1	1.2	30.1	0.8	3	14	-100	0	24

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
<b>N AMERICA</b>	0°	0°	0	0	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	%
<b>COSTA RICA</b>															
JUAN SANTAMARIA	1000N	08413W	939	0	908.6	1009.3	22.8	1.3	19.6	1.8	5	53	-100	1	223
PUERTO LIMON	1000N	08303W	3	30	1010.5	1010.5	25.7	0.4	29.4	1.8	15	221	-190	1	25
<b>ST. MAARTEN, ST. EUST., SABA</b>															
JULIANA AIRPORT, ST. MAARTEN	1803N	06307W	9	30	1013.5	1014.0	27.9	0.5	29.1	2.5	19	325	-210	6	74
<b>ST. MARTIN, ST. BARTH., GUAD.</b>															
LE RAIZET, GUADELOUPE	1616N	06131W	8	30	1012.0	1012.9	26.8	1.5	27.9	0.9	18	412	-275	6	163
<b>MARTINIQUE</b>															
LE LAMENTIN	1436N	06100W	4	30	1010.8	1011.6	26.2	0.9	29.6	3.0	23	477	-302	6	163
<b>BARBADOS</b>															
GRANTLEY ADAMS	1304N	05929W	56	30	1005.6	1012.1	26.9	0.1	30.2	2.0	18	265	-119	5	187
<b>TRINIDAD AND TOBAGO</b>															
PIARCO INT. AIRPORT, TRINIDAD	1037N	06121W	15	0	1008.9	1011.4	26.4	0.7	29.5	1.5	14	233	-25	3	211
<b>CURACAO AND BONAIRE</b>															
HATO AIRPORT, CURACAO	1212N	06858W	67	0	1009.4	1010.3	28.5	0.8	30.3	1.1	8	53	-43	2	262
<b>COLOMBIA</b>															
SAN ANDRES (ISLA)	1235N	08143W	6	0	1010.7	1010.8	28.1	0.8	30.9	0.7	13	149	-204	1	217
PROVIDENCIA (ISLA)	1322N	08121W	6	0			28.6		29.9	13	118				206
<b>S AMERICA</b>															
<b>COLOMBIA</b>															
SANTA MARTA/SIMON BOLIVAR	1108N	07414W	14	0	1006.9	1007.4	28.7		24.2	4	18				253
CARTAGENA/CRESPO	1027N	07531W	12	0	1008.7	1008.9	28.1		31.8	4	89				207
BARRANQUILLA/ERNESTOCORTISSO	1054N	07446W	30	0	1007.1	1008.7	28.2	0.7	31.5	1.7	2	8	-94	1	214
APARTADO	0748N	07642W	30	0			28.0		30.4	16	242				166
BARRANCABERMEJA/YARIGUIES	0701N	07348W	134	0			27.6	0.1	30.0	1.7	8	116	-104	2	193
BUCARAMANGA/PALONEGRO	0706N	07312W	1189	0			21.3		22.3	8	101				166
ARAUCA/SANTIAGO PEREZ	0704N	07044W	128	30			26.9		29.2	8	254				
RIONEGRO/J.M.CORDOVA	0611N	07526W	2142	0	789.9		17.0		15.2	16	128				
PUERTO CARRENO	0610N	06730W	55	30			28.6		29.6	11	225				
QUIBDO/EL CARANO	0543N	07637W	33	0			26.9		30.1	25	838				136
PEREIRA/MATECANA	0449N	07548W	1342	0	865.0		21.6		19.3	9	184				190
IBAGUE/PERALES	0426N	07509W	928	30			24.4		22.9	5	77				
BOGOTA/ELDORADO	0442N	07408W	2548	30	752.9		13.7	0.6	25.9	13.4	10	64	-25	1	
VILLAVICENCIO/VANGUARDIA	0410N	07337W	431	0			26.0		25.9	19	53				214
BUENAVENTURA/COLPUERTOS	0355N	07705W	10	0			26.4		30.2	25	628				114
CALI/PALMASECA	0333N	07623W	969	30	905.1		23.6	0.5	21.8	0.6	6	61	-39	2	
NEIVA/LA MANGUITA	0258N	07518W	443	0			25.4	-1.6	26.3	0.4	15	270	47	3	179
PASTO/ANTONIO NARINO	0125N	07716W	1826	0	819.8		19.4		17.4	11	162				179
IPIALES/SAN LUIS	0049N	07738W	2961	0			11.1	-0.1	10.8	-0.5	13	101	-24	3	128
LETICIA/VASQUEZ COBO	0410S	06957W	84	0	999.3	1008.9	26.4	0.2	29.9	0.8	21	360	98	4	137
<b>VENEZUELA</b>															
MARACAY - B.A. SUCRE	1015N	06739W	437	0	964.7	1015.5	25.7	1.3	27.8	5.9	6	53	7	4	238
CARACAS/LA CARLOTA	1030N	06653W	835	0	917.8		23.2	1.3	25.5	5.0	12	111	39	5	191
BARCELONA	1007N	06441W	7	0	1008.5	1009.3	28.4	1.9	28.6	1.7	5	40	-4	3	231
MERIDA	0836N	07111W	1498	0	852.1	1518	19.6	1.1	18.3	0.4	16	141	-63	1	202
SAN ANTONIO DEL TACHIRA	0751N	07227W	378	0	968.1	1010.1	25.4	0.1	25.5	1.2	5	60	-37	2	202
SAN FERNANDO DE APURE	0754N	06725W	48	0	1005.3	1010.8	27.8	0.8	31.4	2.8	3	10	-37	1	255
<b>GUYANA</b>															
GEORGETOWN	0648N	05809W	2	0	1010.1	1010.5	28.4	0.9	30.4	1.1	7	160	-51	2	254
TIMEHRI	0630N	05815W	30	0	1007.3	1010.8	26.8	1.0	28.7	0.3	7	97	-88	2	
<b>FRENCH GUIANA</b>															
CAYENNE/ROCHAMBEAU	0450N	05222W	9	30	1010.2	1011.3	27.1	1.1	28.9	0.6	10	80	-74	2	273
															117

S AMER-BRAZIL

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	
S AMERICA	0°	0°	m	m	mb	mb	°C	mb	mm	mm	mm	mm	mm	hr	
BRAZIL														%	
S.GABRIEL DO CACHOEIRA(UAU.)	0008S	06705W	90	998.6	1008.2	26.9	1.0			13	185	-28	2		
BELEM	0127S	04828W	24	1009.0	1010.3	27.4	0.9	31.0	2.4	6	62	-53	1		
SAO LUIZ	0232S	04417W	51	1004.1	1009.9	27.3	0.6	29.5	2.0	0	0	-13	2		
MANAUS	0308S	06001W	72	1001.8	1009.8	28.0	0.8	30.4	1.7	14	119	-58	2		
FORTALEZA	0344S	03833W	19	1007.9	1011.0	27.6	0.2	26.8	0.5		1	-17	0		
BENJAMIN CONSTANT	0423S	07002W	65	1005.1	1012.5	26.9	1.3	31.3	3.6	13	195	-59	2		
COARI	0405S	06305W	46	1005.2	1010.8	27.4	0.9	31.1	-0.1	15	187	36	4		
BARRA DO CORDA	0530S	04516W	153	991.0	1010.5	28.5	1.3	26.5	-0.7	2	17	-41	1		
QUIXERAMOBIM	0512S	03918W	211	985.9	1009.5	28.6	0.4	20.3	-0.1	0	0	-7	1		
SAO FELIX DO XINGU	0638S	05158W	150	30	989.1	1010.5	25.5	0.0	27.8	18	184	-6	6		
FLORIANO	0646S	04301W	123	994.3	1009.8	29.6	2.5	25.7	-0.3	3	46	-54	1		
CRUZEIRO DO SUL	0738S	07240W	170	985.8	1006.5	24.2	-1.0	28.0	-0.5	18	335	100	4		
CAROLINA	0720S	04728W	192	988.3	1012.3	26.7	0.8	28.6	1.9	11	170	11	3		
CONCEICAO DO ARAGUAIA	0615S	04912W	160			26.5	0.3				16	109	-73	1	
RECIFE (CURADO)	0803S	03455W	7	1011.8	1012.7	26.5	0.5	25.6	1.0	8	12	-20	2		
RIO BRANCO	0558S	06748W	136			26.0		29.7		19	285				
PETROLINA	0923S	04029W	370	969.2	1009.0	29.2	1.2	20.4	0.2	3	35	-15	3		
PORTO NACIONAL	1031S	04843W	250	983.3	1010.1	26.7	0.5	28.9	1.9	14	188	-13	3		
ARACAJU	1055S	03703W	6	1010.8	1011.5	28.0	1.8	27.5	0.4	3	6	-34	1		
VILHENNA	1244S	06008W	652	941.5	1009.7	24.3		26.7		19	317				
SALVADOR	1301S	03831W	51	1005.0	1011.0	26.2	0.9	27.8	2.5	14	223	100	5		
BOM JESUS DA LAPA	1316S	04325W	440	960.5	1011.3	26.7	0.8	26.4	3.2	14	193	38	4		
CUIABA	1533S	05607W	179	991.6	1008.6	28.0	0.8	28.2	2.5	8	101	-60	1		
BRASILIA	1547S	04756W	1158	886.0	1010.9	21.2	0.1	20.6	0.9	24	323	81	4		
CARAVELAS	1744S	03915W	3	1013.0	1013.5	26.2	1.1	23.1	-2.6	15	159	-36	3		
CORUMBA	1900S	05739W	130	991.6	1009.1	28.5	1.4	27.9	0.3	7	126	5	4		
BELO HORIZONTE	1950S	04356W	850	911.6	1011.9	23.2	1.2	18.5	-2.5	8	175	-72	2		
CAMPO GRANDE	2028S	05440W	560	951.2	1009.5	25.5		23.2		6	98		2		
TRES LAGOAS	2047S	05138W	313	973.9	1010.4	27.2	2.1	23.5	0.3	7	102	-46	1		
JUIZ DE FORA	2146S	04321W	939	911.1	1014.3	20.0	-0.6	19.3	0.5	13	109	-84	1		
PONTA PORA	2232S	05544W	650	935.1	1009.7	24.1	1.6	22.2	1.7	7	168	-7	4		
RIO DE JANEIRO	2255S	04310W	5	1014.0	1014.3	24.3	0.5	24.4	2.2	8	50	-59	1		
LONDrina	2323S	05111W	566	946.5	1010.2	23.2	0.6	19.6	0.4	7	36	-127	0		
SAO PAULO	2330S	04637W	792	923.8	1012.0	17.3	-2.2	18.6	0.0	7	96	-52	2		
IGUAPE	2443S	04733W	3	1012.9	1013.4	23.0	1.0	24.1	1.8	10	45	-67	1		
CURITIBA	2526S	04916W	923	911.3	1013.6	18.8	1.0	17.4	0.7	7	55	-61	1		
FLORIANOPOLIS	2735S	04834W	2	1013.3	1013.5	22.0	0.7	21.2		11	48	-70	2		
ALEGRETE	2941S	05531W	121	997.2	1011.3			20.0	2.2	8	57	-70	1		
PORTO ALEGRE	3001S	05113W	47	1007.2	1013.0	21.3	0.2	19.4	1.8	14	170	86	5		
ST. VITORIA DO PALMAR	3331S	05321W	24	1010.4	1014.8	18.9	0.8	16.9	0.8	7	105	25	5		
ECUADOR															
SAN CRISTOBAL (GALAPAGOS)	0054S	08936W	6	30	1010.8		24.3	1.5	24.0	3.2	0	1	-4	1	105
IZOBAMBA-SANTA CATALINA	0022S	07833W	3058	30	706.7		12.7	1.2	10.8	0.0	8	40	-106	0	135
NUEVO ROCAFUERTE	0055S	07524W	215	30			26.1	0.3	30.1	0.6	11	155	-31		105
PORTO VIEJO-GRANJA	0102S	08026W	44	30	1005.3		25.4	1.1	23.9	1.7	1	2	1	5	155
PICHILINGUE	0106S	07928W	73	30	1002.0		25.1	0.5	24.9	1.2	3	32	-10	4	220
EL PUYO	0130S	07757W	950	30	905.1		21.9	0.6	23.5	1.6	20	276	-83	1	95
MILAGRO	0207S	07936W	13	30			26.0	1.1	23.5	-0.2	0	1	-12	3	180
CANAR	0233S	07856W	3120	30			11.1	0.2	10.4	0.2	2	13	-28	1	100
LOJA/LA ARGELIA	0402S	07912W	2040	30			17.0	0.7	13.3	0.4	9	126	71	5	130
PERU															
TUMBES	0333S	08024W	27		1008.1	1011.0	24.8		23.5		0	0			
TALAR	0434S	08115W	90		1001.7	1011.8	21.5	1.7	19.4	2.5	0	0	0	5	
PIURA	0511S	08036W	55		1007.3	1013.5	24.1	0.5	18.3	0.1	0	4	3	5	
YURIMAGUAS	0554S	07605W	184		991.6	1012.6	27.6	0.5	28.0	-0.2	10	194	-2	3	
MOYOBAMBA	0602S	07658W	833		898.7	916.5	25.6	2.1	24.9	1.6		87	-56	1	
CHACHAPOYAS	0613S	07750W	2435		752.8	766.7	16.0	0.1	12.4	0.0	8	44	-78	1	
CHICLAYO	0647S	07950W	34		1009.3	1012.3	21.0	1.5	19.6	2.8	0	0	-2	4	
TARAPOTO	0627S	07623W	282		980.6	1015.6	26.3	-0.3	25.3	-0.7	10	149	63	6	
CAJAMARCA	0708S	07828W	2622		706.3	739.8	16.7	1.1	11.9	0.9	9	83	14	4	
TRUJILLO	0806S	07902W	30		1009.1	1012.1	19.4	1.3	22.5	4.9	0	0	0	5	
CHIMBOTE	0910S	07831W	21		1012.5	1013.7	20.7	0.6	18.3	0.5	0	0	0	5	
TINGO MARIA	0908S	07557W	665		938.1	1009.5	25.0	0.3	26.6	1.9	24	608	287	5	

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE
					MEAN STATION mb	MEAN SEA LEVEL mb	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	% OF AV.
S AMERICA	0°	0°	0'	3									
PERU													
ANTA (HUARAZ)	0921S	07736W	2760		715.5	736.9	20.8	3.8	12.0	-1.0	8	59	-11 3
HUANUCO	0954S	07545W	1860		802.4	815.7	22.4	0.4	18.3	4.6	6	31	-11 2
LIMA-CALLAO/AEROP. INT.	1200S	07707W	13		1010.7	1012.7	19.9	1.4	18.4	1.2	0	T	0 5
AYACUCHO	1308S	07413W	2749		710.5	733.0	19.7	0.9	11.1	1.5	19	93	52 6
CUZCO	1333S	07159W	3249		689.8		13.4	-0.6	9.2	0.6	13	68	-4 4
BOLIVIA													
COBIJA	1105S	06852W	252		1012.3		27.7	1.4			9	225	30 4
RIBERALTA	1101S	06607W	135		1010.3		28.6	1.1			10	212	36 4
SAN JOAQUIN	1304S	06440W	140				29.1	1.7			5	266	107 4
MAGDALENA	1320S	06409W	141		1006.8		28.7	0.8			6	107	80 1
SANTA ANA	1343S	06535W	144	23	1005.2		28.8	0.9			6	96	-109 1
RURRENABAQUE	1429S	06729W	202	30	1005.6		29.8	2.2			15	172	6 3
CONCEPCION	1615S	06206W	497		1009.4		26.6	0.8			13	109	-40 2
LA PAZ/ALTO	1631S	06811W	4071		628.3		10.8	0.3			14	59	9 4
SAN IGNACIO DE VELASCO	1622S	06057W	413		1008.4		28.2	2.1			8	141	-2 4
COCHABAMBA	1727S	06606W	2548	29	749.5		22.5	1.6			9	54	12 4
ORURO	1803S	06704W	3702	30	653.2		14.7	0.6			7	58	38 5
SANTA CRUZ	1748S	06310W	414		1007.2		28.5	1.5			10	169	38 4
ROBORE	1819S	05945W	265		1008.1		30.0	1.8			10	21	-102 1
SUCRE	1901S	06516W	2903		720.1		17.7	0.3			9	77	29 6
PUERTO SUAREZ	1900S	05744W	135		1005.9		30.6	2.2			5	141	35 4
CAMIRI	2003S	06334W	810		1015.0		27.5	1.3			4	97	27 4
YACUIBA	2201S	06342W	643		1004.0		27.0	0.8			10	261	149 6
CHILE													
ARICA	1821S	07020W	55		1007.7	1015.1	20.0	1.1	16.6	0.7	0	0	0 5 236
ANTOFAGASTA	2326S	07027W	140		1000.7	1014.7	17.7	0.8	15.6	1.4	0	0	0 5 269
ISLA DE PASCUA	2710S	10926W	69		1015.1	1020.7	20.8	0.4	18.9	0.7	3	17	-56 1 265
LA SERENA	2955S	07112W	146		998.3	1015.2	15.0	0.7	14.1	1.1	0	2	2 5 202
ISLA ROBINSON CRUSOE	3337S	07850W	30		1017.0	1020.6	15.5	0.4	12.3	0.0	2	10	-21 1 196
VALDIVIA	3938S	07305W	19		1014.5	1016.7	13.7	0.6	12.2	0.9	6	48	-49 2 235
PUERTO MONTT	4126S	07306W	90		1007.2	1017.5	12.5	1.0	11.6	0.0	9	49	-75 0 169
PUNTA ARENAS	5300S	07051W	44		995.8	1000.1	9.4	1.0	7.9	0.4	6	33	3 4 251
PARAGUAY													
MARISCAL ESTIGARRIBIA	2201S	06036W	181	30	991.1	1011.7	27.9	-0.3	21.1	2.4	6	37	-33 2
PUERTO CASADO	2217S	05752W	87	30	998.6	1007.8	27.2	0.0	24.0	1.8	4	149	22 4
CONCEPCION	2325S	05718W	74	30	1000.3	1010.2	27.5	1.0	25.3	3.4	5	196	51 4
ASUNCION/AEROPUERTO	2516S	05738W	101	30	1000.7	1011.0	25.5	-0.4	22.5	2.8	7	160	17 4
VILLARRICA	2545S	05626W	161	30	993.5	1011.9	24.6	0.3	22.7	2.8	10	288	140 5
PUERTO PRESIDENTE STROESSNER	2532S	05436W	196	30	999.1	1010.2	25.0	1.1	21.6	1.8	8	188	27 4
PILAR	2651S	05819W	56	30	1006.2	1012.7	25.1	0.2	22.3	2.8	7	164	26 4
SAN JUAN BAUTISTA MISIONES	2640S	05709W	126	30	999.0	1013.4	24.8	0.6	22.1	2.8	7	327	156 5
ENCARNACION	2719S	05550W	91	30	1003.3	1012.5	23.9	0.1	20.5	1.0	7	128	-15 4
URUGUAY													
SALTO	3123S	05757W	34		1008.2	1011.5	22.2	1.9	17.9	6.5	8	97	-17 3
MELO	3222S	05411W	100		1000.8	1012.6	19.9	0.9	17.6	7	120	38 4	
PASO DE LOS TOROS	3248S	05631W	75		1003.6	1012.5	20.9	0.9	16.9	5	79	-26 3	
MERCEDES	3315S	05804W	22		1010.7	1012.7	21.3	1.5	17.1	8	81	-5 3	
TREINTA Y TRES	3313S	05423W	46		1007.7	1013.2	19.6	1.1	16.8	7	64	-24 4	
COLONIA	3427S	05750W	23		1010.3	1013.1	20.1	-0.4	16.5	7	119	4 3	
ROCHA	3429S	05418W	18		1012.8	1015.2	18.1	0.6	16.2	5	74	4 4	
EL PRADO	3451S	05612W	16		1011.4	1013.4	19.5	0.3	16.0	4.6	6	48	-32 3
ARGENTINA													
LA QUIACA OBSERVATORIO	2206S	06536W	3459		672.8	3119 Z	12.5	1.1	9.1	2.0	11	71	39 5
ORAN AERO	2309S	06419W	357		967.2	1006.9	25.7		24.4				
JUJUY AERO	2423S	06505W	904		909.4	1486 Y	24.6	3.8	18.7	2.6		83	-3 3 183 85
SALTA AERO	2451S	06529W	1221		876.5	1485 Y	21.3	1.2	17.3	2.6	10	106	43 5 145 77
RIVADAVIA	2410S	06254W	205		983.7	1006.6	27.2	0.8	22.3	6	75	-5 3	
LAS LOMITAS	2442S	06035W	130		993.2	1007.8	26.5	0.7	21.3	2.4	3	71	-38 2 240 90
IGUAZU AERO	2544S	05428W	270		980.2	1010.8	24.6		21.8	9	252	5 169 90	
TUCUMAN AERO	2651S	06506W	450		958.9	1008.9	23.2		20.2	3	89	193	

S AMER-ARGENTINA

## SURFACE

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STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	
<b>S AMERICA</b>															
ARGENTINA	0°	0°	0		mb	mb	°C	°C	mb	mb	mm	mm	hr	%	
SANTIAGO DEL ESTERO AERO.	2746S	06418W	199		986.1	1008.6	24.6	-0.2	20.1	2.6	103	38	5		
PRES. ROQUE SAENZ PENA AERO	2649S	06027W	92		1000.8	1011.3	24.5	0.1	22.0	2.7	8	173	62	4	
RESISTENCIA AERO.	2727S	05903W	52		1004.6	1010.7	24.0	0.4	21.5	2.4	6	201	69	4	
FORMOSA AERO	2612S	05814W	60		1001.3	1008.2	25.4	1.6	22.5	1.1	6	179	7	4	
CORRIENTES AERO.	2727S	05846W	62				23.9	0.1	21.9	2.5	6	158	26	4	
POSADAS AERO.	2722S	05558W	125		995.4	1010.6	25.0	1.6	21.7	3.3	6	163	26	4	
LA RIOJA AERO.	2923S	06649W	429		959.2	1006.8	25.7	0.4	17.5	2.7	4	40	1	3	
CATAMARCA AERO.	2836S	06546W	454		955.8	1006.3	24.8	-0.9	18.4	4.3	7	45	-8	3	
CERES	2953S	06157W	88		1000.4	1010.5	22.1	-0.6	19.5	1.5	9	210	104	5	
RECONQUISTA AERO	2911S	05940W	53		1004.8	1011.0	22.7	0.5	20.9	1.6	8	122	41	4	
PASO DE LOS LIBRES AERO	2941S	05709W	70		1002.8	1010.9	23.4	1.1	18.8	1.9	8	141	30	4	
JACHAL	3015S	06845W	1165		881.8	1485	Y	22.3	1.1	12.9	1.9	2	13	10	5
SAN JUAN AERO	3134S	06825W	598		941.8	1008.0	24.0	1.2	13.5	3.2	0	T	-11	2	
CHAMICAL AERO	3022S	06617W	461		959.5	1010.9	25.2		14.1		7	13	1	142	
CHEPES	3120S	06636W	658		932.2	1008.6	25.6	2.5	14.8	0.1	3	40	-11	3	
VILLA DOLORES AERO	3157S	06508W	569		945.8	1009.0	24.8		14.9		4	41	2	244	
CORDOBA AERO	3119S	06413W	474				21.4	0.8	11.6	-2.9	6	92	-18	3	
PILAR OBSERVATORIO	3140S	06353W	338		973.7	1012.6	21.7	1.4	15.4	1.4	4	30	-75	1	
PARANA AERO	3147S	06029W	78		1003.5	1012.6	21.4	0.6	18.4	2.6	8	86	-31	3	
CONCORDIA AERO	3118S	05801W	38		1009.6	1014.0	21.9	0.5	18.0	2.0	2	102	-16	3	
MENDOZA AERO	3250S	06847W	704		932.2	1009.7	22.9	1.5	11.8	0.8	4	16	-3	3	
VILLA REYNOLDS AERO	3344S	06523W	486		956.6	1012.0	19.9	0.1	15.8	3.8	8	51	-9	4	
RIO CUARTO AERO	3307S	06414W	421		963.3	1011.0	20.5	0.9	15.7	3.0	11	232	116	6	
MARCOS JUAREZ AERO	3242S	06209W	114		999.2	1012.4	21.8		17.2		7	70	3	266	
ROSARIO AERO	3255S	06047W	25		1008.9	1011.8	22.8	2.8	18.6	3.0	7	97	-9	3	
GUALEGUAYCHU AERO	3300S	05837W	21		1009.4	1012.2	20.7	0.7	18.4	3.0	7	77	-14	3	
MALARQUE AERO	3530S	06935W	1425		857.0	1494	Y	16.3	18.3		5	48	5	267	
SAN RAFAEL AERO	3435S	06824W	748		927.6	1011.2	19.8	0.5	12.8	3.0	6	63	22	5	
GENERAL PICO AERO	3542S	06345W	145				19.4		15.5		8	86	3	200	
LABOULEY	3408S	06322W	137		996.5	1012.5	20.2	0.3	16.2	2.5	6	63	-45	2	
PEHUAJO AERO	3552S	06154W	86		1003.3	1013.4	18.7	0.1	17.8	3.3	9	180	85	5	
JUNIN AERO	3433S	06057W	81		1009.0	1012.4	19.5	0.6	16.6	2.5	9	175	67	5	
EZEIZA AERO	3449S	05832W	20		1010.6	1012.9	19.6	0.9	17.0	2.8	8	157	71	5	
AEROPARQUE	3434S	05825W	6		1012.2	1012.9	20.0		17.1		10	120	4	236	
BUENOS AIRES (OBS. CENTRAL)	3435S	05829W	25		1010.5	1014.0	20.8	0.6	17.1	2.4	9	126	25	4	
GENERAL ACHA	3722S	06435W	219		987.2	1012.4	20.1	1.0	15.4		8	87	28	5	
SANTA ROSA AERO	3634S	06416W	191		990.6	1012.9	19.1	-0.2	14.7	1.6	9	160	73	5	
AZUL AERO	3645S	05950W	132		998.2	1013.7	17.3	0.6	16.3	2.4	11	128	38	5	
TANDIL AERO	3714S	05915W	175		993.2	1013.7	16.9		14.3		10	119	4	208	
PIQUE AERO	3736S	06223W	304		978.1	1013.4	16.7		13.0	10	57		2	182	
TRES ARROYOS	3820S	06015W	115		1000.8	1014.4	16.6	0.1	13.7	2.4	10	105	40	5	
MAR DEL PLATA AERO	3756S	05735W	21		1011.8	1014.4	16.1	0.4	14.8	1.1	10	31	-44	1	
NEUQUEN AERO	3857S	06808W	271						9.1	1.1	1	5	-7	3	
RIO COLORADO	3901S	06405W	79		1003.8	1013.0	21.2		13.6		3	20		2	
BAHIA BLANCA AERO	3844S	06210W	83		1003.7	1013.4	18.5	0.3	12.8	0.8	7	29	-33	2	
CATEDRAL 2000	4115S	07137W	1955		803.7	1504	Y	4.9		6.1		8	42		256
BARILLOCHE AERO	4109S	07110W	840		918.8	1488	Y	12.6	2.1	8.3	0.2	7	36	14	5
MAQUINCHAO	4115S	06844W	888		912.0	1479	Y	15.0	1.5	5.5	-1.2	3	5	-10	2
SAN ANTONIO OESTE AERO	4044S	06457W	7		1010.6	1011.4	19.4	0.9	12.1	3.1	3	20	2	4	
VIEDMA AERO	4051S	06301W	7		1010.8	1011.6	18.5	1.2	10.3	0.8					
ESQUEL AERO	4258S	07109W	785		921.3	1011.6	13.0	2.0	7.7	1.2	6	25	5	4	
PASO DE INDIOS	4349S	06853W	460		956.2	1009.0	16.2	1.9			2	25	14	5	
TRELEW AERO	4312S	06516W	43		1007.0	1012.1	18.1	1.1	9.1	1.6	4	16	0	4	
COMODORO RIVADAVIA AERO	4547S	06730W	46		1003.7	1009.2	16.6	0.7	7.6	1.1	2	14	3	4	
GOBERNADOR GREGORES AERO	4847S	07010W	356		964.3	1005.7	14.5	2.2	7.0	1.0	2	10	-1	4	
PUERTO DESEADO AERO	4744S	06555W	80		1000.1	1009.6	14.2	1.7	9.4	1.4	0	2	-8	1	
LAGO ARGENTINO AERO	5020S	07218W	220		979.2	1005.3	11.8	1.2	6.1	-0.1	4	4	-10	2	
SAN JULIAN AERO	4919S	06747W	62		998.4	1005.7	14.7	2.7	7.9	1.2	1	4	-12	1	
SANTA CRUZ AERO	5001S	06834W	111		991.7	1004.6	16.0	3.5	6.6	4	6	-5	2		
RIO GALLEGOS AERO	5137S	06917W	19		1001.7	1004.0	14.3	3.6	6.7	-0.3	31	9	4		
<b>ANTARCTICA</b>															
ARGENTINA (ANTARCTIC)	6324S	05659W	13		976.9	978.4	4.0	6.0	4.6	2	5				
ESPERANZA B.E.															

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
<b>ANTARCTICA</b>	0°	0°	n	mb	mb	0°C	0°C	mb	mb	mm	mm	hr	%	
ARGENTINA (ANTARCTIC)														
ISLAS ORCADAS D.N. (OBS.)	6045S	04443W	6	985.6	987.1	0.2	1.7	5.4	-0.5	6	14	-28	1	
GENERAL BELGRANO II B.E.	7752S	03437W	0	948.0	979.7	-6.3				0	2			
TENIENTE JUBANY E.C.	6214S	05838W	4	982.4	983.7	0.3		5.7		10	35			89
CENTRO MET. ANTARTICO"VICEC."	6414S	05643W	198	953.2	977.0	-1.3	2.9	4.1	0.2					
GENERAL SAN MARTIN B.E.	6808S	06708W	4	974.8	975.3	-2.1		4.6		3	10			
SOUTH AFRICA (ANTARCTIC)														
S.A.N.A.E. STATION	7018S	00221W	62	970.9	978.1	-9.6	1.4	0.8	-2.3					
UNITED KINGDOM (ANTARCTIC)														
HALLEY	7530S	02639W	32	974.1	978.1	-10.0	1.7	2.4	-0.9					
ROTHERA POINT	6734S	06808W	17	972.9	975.0	-2.1		4.1						
CHILE (ANTARCTIC)														
CENTRO MET. ANTARTICO"POTE."	6215S	05856W	10	982.2	983.3	-0.3	0.7	5.5		14	55	21		
BASE ARTURO PRAT	6230S	05941W	5	981.6	982.2	-1.3		4.6		18	64			
BASE BERNARDO O'HIGGINS	6319S	05754W	10	979.8	981.1	-1.2		4.9		16	64			
JAPAN (ANTARCTIC)														
SYOWA	6900S	03935E	21	975.5	978.0	-5.3	1.1	3.0						
FRANCE (ANTARCTIC)														
DUMONT D'URVILLE	6640S	14001E	43	978.7	984.1	-7.8		2.1						
SW PACIFIC														
MALAYSIA (PENIN. MALAYSIA)														
PENANG/BAYAN LEPAS	0518N	10016E	4	1009.7	1010.1	26.6	0.2	30.9	4.1	20	431	178	5	90
KOTA BHARU	0610N	10217E	5	1009.0	1009.6	26.9	1.1	29.9	2.1	13	181	-507	0	189
KUALA LUMPUR/SUBANG	0307N	10133E	22	1007.9	1010.5	27.2	1.1	30.4	1.3	13	166	-113	1	154
KUANTAN	0337N	10313E	16	1008.2	1010.0	26.3	1.1	30.3	1.5	16	241	-73	2	100
MALACCA	0216N	10215E	9	1009.1	1010.1	27.2	1.2	31.3		15	219	-14	3	158
SINGAPORE														
SINGAPORE/CHANGI AIRPORT	0122N	10359E	16	1007.8	1009.6	27.3		30.2		15	348	5	136	100
USA (PACIFIC OCEAN NORTH)														
LIHUE, KAUAI, HAWAII	2159N	15921W	45	1012.2	1017.4	24.4	0.4	23.5	0.4	11	62	-79	2	
HONOLULU, OAHU, HAWAII	2121N	15756W	5	1016.4	1016.9	26.0	1.3	21.9	0.3	6	24	-57	3	206
GUAM, MARIANA IS.	1333N	14450W	111	997.7	1010.4	26.4	0.1	30.1	0.5	25	201	-35	3	87
HILO/GEN. LYMAN, HAWAII,	1943N	15504W	11	1015.9	1017.2	23.7	0.6	23.3	0.7	23	402	24	4	85
TRUK, CAROLINE IS.	0728N	15151E	2	1008.5	1008.8	28.3	0.9	31.6	0.9	23	358	51	4	190
PONAPE, CAROLINE ISLANDS.	0658N	15813E	46	1003.0	1008.2	27.3	0.3	30.8	1.1	22	494	64	4	125
KWAJALEIN/BUCH. MARSHALL IS.	0844N	16744E	8	1008.6	1009.5	28.3	0.6	31.7	1.6	21	246	-33	3	75
MAJURO/MARSHALL IS. INT.	0705N	17123E	3	1008.9	1009.2	27.7	0.4	31.5	3.8	21	392	50	4	220
KOROR, PALAU IS.	0720N	13429E	33	1013.5	1017.3	32.2	4.4	32.6	1.2	21	271	-7	3	
YAP, CAROLINE IS.	0929N	13805E	17	1007.0	1008.9	27.7	0.3	32.0	1.4	22	164	-86	1	109
SOLOMON ISLANDS														
HONIARA/HENDERSON	0925S	16003E	9	1007.4	1008.4	27.5		26.9		10	138	4	219	105
VANUATU														
PEKOR AIRPORT/ESPIRITU-SANTO	1531S	16713E	56	1009.6		25.4	0.4	26.6		8	101	-123	1	
BAUERFIELD (EFATE)	1742S	16818E	21	1008.2	1010.7	24.4		24.1		7	89			197
ANEITYUM	2014S	16946E	6	1011.5		24.1	0.6	21.3		5	70	-120	2	
NEW CALEDONIA														
KOUMAC (NLLE-CALEDONIE)	2034S	16417E	18	1009.3	1011.4	23.8	-0.3	21.8	-0.9	8	136	70	5	
NOUMEA (NLLE-CALEDONIE)	2216S	16627E	72	1003.8	1012.2	23.0	-0.7	20.6	-0.9	8	45	-13	3	236
NEW ZEALAND (KIRIBATI)														
TARAWA	0121N	17255E	4	1008.0	1008.4	28.9	0.7	31.3	2.7	11	130	-32	4	239
NEW ZEALAND (TUVALU)														
FUNAFUTI	0831S	17913E	2	1008.4	1008.6	28.7	0.8	32.2	2.1	17	147	-145	1	232

SW PAC-FIJI

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	MM	TOTAL	MM	DEPARTURE	QUINTILE
<b>SW PACIFIC</b>															
FIJI	0°	0°	0	mb	mb	0°C	0°C	mb	mb	mb	mm	mm	hr	%	
NANDI	1745S	17727E	18	1008.5	1010.6	26.3	0.5	25.1	1.1	5	137	-6	3	257	118
NAUSORI	1803S	17834E	7	1009.8	1010.9	24.9	0.3	26.8	1.3	14	117	-208	1		
<b>NEW CALEDONIA (DETACHED IS.)</b>															
HIHIFO (ILE WALLIS)	1314S	17610W	27	1007.0	1010.1	27.3	0.3	30.1	0.6	18	234	-61	3	261	130
<b>FRENCH POLY. (MARQUESAS)</b>															
ATUONA	0948S	13902W	52	1004.6	1010.6	27.0	1.1	26.5	2.1	14	104	44	5	241	100
<b>FRENCH POLY. (SOCIETY IS.)</b>															
BORA-BORA	1627S	15145W	3	1011.3	1011.6	27.4	1.1	28.5	2.2	8	191	-38	3	255	120
TAHITI-FAAA	1733S	14937W	2	1011.6	1011.9	26.5	0.7	28.0	3.1	4	108	-38	3	239	115
<b>FRENCH POLY. (TUAMOTU IS.)</b>															
TAKAROA	1429S	14502W	3	1010.8	1011.1	27.9	1.0	29.3	2.1	16	177	-1	4	245	110
HAO	1804S	14057W	3	1012.2	1012.6	26.6	0.7	28.1	1.1	15	123	-33	3	212	90
HEREHERETUE	1952S	14500W	3	1012.9	1013.3	25.1	-0.1	24.1	-1.7	8	98	-38	2	238	115
RIKITEA	2308S	13458W	89	1004.9	1015.1	22.5	-1.1	22.7	-0.7	10	314	177	5	188	100
<b>FRENCH POL. (AUSTRAL IS.)</b>															
TUBuai	2321S	14929W	3	1014.3	1014.6	23.0	0.1	22.0	0.0	9	29	-109	1	226	120
RAPA	2737S	14420W	2	1015.6	1015.9	20.1	-0.2	18.1	-1.3	9	158	-38	3	166	120
<b>NEW ZEALAND</b>															
KAITAIA	3508S	17316E	87	1001.1	1011.3	15.4		14.8		17	194	5	163	80	
AUCKLAND AIRPORT	3701S	17448E	6	1010.9	1011.6	16.2	0.1	14.4	0.1	12	79	-5	3	181	85
GISBORNE AERODROME	3840S	17759E	8	1010.4	1011.4	15.9	0.5	14.1	1.3	13	119	69	6	157	71
NEW PLYMOUTH AERODROME	3901S	17411E	36	1005.9	1010.2	14.8	0.6	13.0	-0.3	9	76	-52	2	211	105
WELLINGTON	4117S	17446E	128	995.2	1010.7	13.9	0.6	12.5	0.6	8	100	7	4	221	112
HOKITIKA AERODROME	4243S	17059E	40	1006.0	1010.8	13.4	0.9	12.0	-0.1	13	223	-51	2	214	124
CHRISTCHURCH AIRPORT	4329S	17233E	34	1006.0	1010.1	13.5	-0.2	11.6	0.9	6	36	-13	3	194	94
INVERCARGILL AERODROME	4625S	16820E	1	1008.4	1008.5	12.0	0.9	10.5	0.2	10	56	-33	1	236	137
CAMPBELL ISLAND	5233S	16909E	19	1001.9	1004.2	7.7	0.5	9.0	0.3	15	110	6	3	74	82
CHATHAM ISLAND	4357S	17634W	48	1008.1	1013.9	11.9	0.3	12.6	1.4	9	66	9	4	143	89
RAOUl ISLAND, KERMADEC IS.	2915S	17755W	49	1006.8	1012.6	19.1	0.3	18.8	2.0	11	318	243	6	135	67
<b>PAPUA NEW GUINEA</b>															
MADANG M.O.	0513S	14548E	12	1008.2	1008.8	28.0	1.2	30.1	1.8	13	280	-87	2	237	127
LAE M.O.	0644S	14700E	9	1008.3	1009.3	27.7	1.0	29.5	1.1	13	214	-93	1	225	155
PORT MORESBY M.O.	0926S	14713E	47	1002.7	1008.0	29.1	1.6	27.2	0.9	1	5	-63	1	256	105
MOMOTE M.O.	0204S	14726E	5	1008.3	1008.9	27.5	0.3	31.1	0.8	16	199	-47	3	200	140
<b>AUSTRALIA</b>															
DARWIN AIRPORT	1224S	13052E	30	1005.5	1008.9	30.0	0.7	30.4	3.0	11	104	-32	2	232	91
GOVE AIRPORT	1216S	13649E	54	1003.3	1009.4	29.2		28.3	0	0	0			294	
THURSDAY ISLAND	1035S	14213E	61	1002.8	1009.7	28.9	0.7	27.9	1.1	2	3	-34	2		
BROOME AIRPORT	1757S	12213E	9	1007.9	1008.9	28.8	-0.4	25.2	1.9	0	0	-8	3		
HALLS CREEK AIRPORT	1813S	12739E	424	960.5	1006.8	32.9	1.9	16.7	2.6	4	39	9	4		
TENNANT CREEK AIRPORT	1938S	13410E	376	966.8	1008.1	31.1	1.4	15.3	2.7	6	37	0	4	254	90
CAJRS AIRPORT	1653S	14545E	7	1010.5	1011.3	27.6	1.3	27.2	4.0	12	63	-19	3	210	
TOWNSVILLE AIRPORT	1915S	14645E	6	1011.1	1011.8	27.7	1.0	24.1	2.4	7	57	16	4	237	85
WILLIS ISLAND	1618S	14959E	9	1010.1	1011.1	28.0	0.6	26.0	-0.2	1	2	-36	1		
CARNARVON AIRPORT	2452S	11340E	7	1011.3	1012.1	22.9	0.2	13.7	-1.8	0	T	-3	4		
LEARMONTH AIRPORT	2214S	11405E	6	1010.5	1011.1	24.5	-1.7	13.9	-0.9	0	T	-6	3		
PORT HEDLAND AIRPORT	2022S	11837E	11	1008.1	1008.8	27.3	-1.3	15.7	0.7	0	T	-2	4		
ALICE SPRINGS AIRPORT	2348S	13354E	544	948.0	1008.7	29.0	3.3	7.6	-2.3	4	24	-2	4	308	93
MT ISA AIRPORT	2039S	13929E	342	970.7	1008.5	30.1	1.1	13.8	2.3	4	43	27	5	269	90
LONGREACH AIRPORT	2326S	14416E	193	987.9	1009.6	28.5	0.7	15.0	2.8	3	14	0	4		
MACKAY	2107S	14913E	31	1008.7	1012.3	25.6	0.4	23.2	0.6	8	106	32	5		
GLADSTONE	2351S	15116E	76	1004.5	1013.2	24.1	-1.0	19.1	-1.9	10	145	73	5		
GERALDTON AIRPORT	2847S	11442E	34	1009.3	1013.3	20.0	-0.2	11.5	-1.6	6	37	29	5		
MEEKATHARRA AIRPORT	2636S	11831E	518	952.2	1009.5	24.5	-1.3	8.4	-0.7	2	3	-7	3		
GILES	2502S	12818E	599	942.4	1008.0	28.5	1.3	8.7	-0.9	3	37	16	4	332	106
CHARLEVILLE AIRPORT	2625S	14616E	304	976.7	1010.9	24.7	-0.4	12.3	0.8	8	50	17	5		
MOREE	2928S	14951E	212	988.1	1012.3	22.5	-0.1	12.7	-0.9	4	26	-24	2	288	

SW PAC-AUSTRALIA

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION		SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE
<b>SW PACIFIC</b>														
AUSTRALIA														
BRISBANE AIRPORT	2726S	15305E	6	1012.7	1013.4	22.2	-0.7	16.3	-1.6	6	41	-55	2	249
PERTH AIRPORT	3156S	11557E	12	1012.8	1014.2	18.6	-0.4	11.9	-0.6	5	30	10	4	305
KALGOORLIE AIRPORT	3046S	12127E	360	971.1	1012.1	19.9	-1.7	9.4	-0.9	4	33	17	5	75
ESPERANCE	3349S	12153E	26	1011.8	1014.9	16.8	-0.9	11.7	-1.3	5	54	14	4	4
FORREST AIRPORT	3050S	12806E	160	992.7	1011.3	21.1	1.0	8.7	-1.8	2	4	-10	2	2
CEDUNA AIRPORT	3207S	13342E	17	1011.2	1013.2	19.8	0.9	9.7	-2.0	2	4	-17	2	270
WOOMERA AERODROME	3109S	13648E	167	993.0	1012.3	23.5	1.4	9.0	-1.8	2	4	-14	2	310
ADELAIDE AIRPORT	3456S	13831E	4	1013.0	1013.5	18.7	0.7	11.1	-0.5	1	3	-26	1	289
MILDURA AIRPORT	3414S	14205E	53	1006.3	1012.5	21.1	1.3	10.3	-0.9	1	3	-23	1	115
COBAR	3129S	14549E	265	981.9	1012.1	22.9	0.4	9.4	-1.2	1	25	-6	4	369
SYDNEY AIRPORT	3357S	15111E	3	1012.7	1013.2	20.4	0.6	15.0	0.4	6	129	44	5	271
WILLIAMSTOWN AERODROME	3247S	15149E	11	1011.9	1012.8	19.8	0.0	16.0	0.5	6	134	67	5	268
COFFS HARBOUR AIRPORT	3019S	15307E	5	1012.9	1013.6	20.5	0.1	14.8	-1.9	6	58	-60	2	260
ALBANY AIRPORT	3457S	11748E	69	1006.5	1014.7	15.0	-1.0	12.3	-0.5	9	75	29	5	110
MT GAMBIER AIRPORT	3744S	14047E	69	1004.4	1012.6	16.3	2.4	11.5	-0.1	7	17	-32	1	245
LAVERTON AERODROME	3751S	14444E	14	1009.9	1012.4	16.9	1.2	11.5	-0.6	8	54	2	4	217
EAST SALE AERODROME	3806S	14708E	8	1011.5	1012.5	16.4	1.1	12.0	-0.9	5	35	-30	2	229
WAGGA AIRPORT	3509S	14727E	213	987.6	1012.3	19.1	1.3	10.9	-1.5	3	29	-14	2	305
CANBERRA AIRPORT	3518S	14911E	577	945.9	1011.6	16.4	1.2	11.5	0.6	8	55	-5	3	294
HOBART AIRPORT	4250S	14730E	3	1008.7	1009.1	15.4	1.9	10.8	0.2	8	50	-4	3	203
<b>AUSTRALIA (ADDITIONAL IS.)</b>														
LORD HOWE ISLAND	3131S	15905E	46	1008.9	1014.3	18.9	-0.6	15.2	-2.2	9	153	40	4	4
NORFOLK ISLAND AIRPORT	2902S	16756E	109	1000.5	1013.2	18.3	-0.7	15.9	-1.1	8	183	111	5	189
MACQUARIE ISLAND	5429S	15856E	6	998.6	999.3	5.3	0.8	7.7	-0.3	15	81	14	4	101
<b>INDONESIA (SUMATRA)</b>														
MEDAN/POLOMIA	0334N	09841E	25	1006.6	1009.8	26.8	1.1	29.7			127	-131	1	105
SIBOLGA/PINANGSORI	0133N	09853E	3	1009.5	1010.2	25.9	-0.9	28.7		25	474	46	4	47
RENGAT/JAPURA	0028N	10219E	46	1008.7	1011.2	26.9	0.4	30.0		21	227	-114	2	166
<b>BRUNEI DARUSSALAM</b>														
BRUNEI AIRPORT	0456N	11456E	15	1007.8	1009.5	27.0		30.6		16	389			220
<b>MALAYSIA (SABAH &amp; SARAWAK)</b>														
KUCHING	0129N	11020E	27	1007.9	1010.5	26.2	0.5	29.5		19	423	87	5	163
KOTA KINABALU	0556N	11603E	3	1008.9	1009.2	27.4	1.1	30.4		16	303	-1	3	186
<b>INDONESIA (KALIMANTAN)</b>														
BALIKPAPAN/SEPINGGAN	0116S	11654E	3	1009.3	1010.0	26.6	-0.5	31.3						
<b>ISLANDS</b>														
COCOS ISLAND AIRPORT	1211S	09649E	3	1011.7	1012.0	26.7	0.2	26.4	0.9	8	53	-51	3	3
<b>INDONESIA (NUSATENGGARA)</b>														
DENPASAR/NGURAH-RAI	0845S	11510E	1	1010.3	1011.0	27.5	-0.4	30.1						154
AMPENAN/SELAPARANG	0832S	11604E	3	1009.1	1011.1	26.9	-0.1	29.4		17	316	191	6	
SUMBAWA BESAR/SUMBAWA BESAR	0826S	11725E	3	1008.6	1009.3	28.4		28.6		11	47			
WAINGAPU/MAU HAU	0940S	12020E	12	1008.8	1010.3	28.3	-0.6	0.9						
<b>INDONESIA (MALUKU/IRIAN JAYA)</b>														
MANOKWARI/RENDAN	0053S	13403E	3	1007.8	1008.1	27.3	0.4	30.0						121
BAIK/MOKMER	0111S	13607E	11	1007.9	1009.3	27.2	0.1	31.2		26	253	51	4	242
<b>INDONESIA</b>														
MERAUKE/MOPAH	0828S	14023E	3	1007.7	1008.0	28.6	1.3	28.7		2	12	-60	2	
<b>PHILIPPINES</b>														
BASCO	2027N	12158E	11	1011.9	1013.1	27.1	2.3	29.8	4.8	22	490	154	5	
LAGAQ	1811N	12032E	5	1010.2	1010.8	27.6		29.8	0	0		1	227	65
APARRI	1822N	12138E	4	1011.5	1011.8	27.3	1.7	29.8	2.9	14	147	-243	1	
TUGUEGARAO	1737N	12144E	24	1004.0	1011.0	27.6		26.4	8	147				2
DAGUPAN	1603N	12020E	2	1009.4	1009.6	28.4	1.0	29.8	1.9	1	2	-61	1	
BAGUIO	1625N	12036E	1501	851.6	1008.4	20.6		19.4	3	10	0	0	192	
MANILA INT. AIRPORT	1431N	12100E	15	1005.8	1007.0	28.0	1.5	29.8	2.7	14	107	-6	3	

SW PAC-PHILIPPINES

## SURFACE

NOVEMBER 1987

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE		
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL	% OF AV.
<b>SW PACIFIC</b>																
PHILIPPINES	0°	0°	3	mb	mb	mb	°C	°C	mb	mb	mm	mm	mm	hr	mm	%
LEGASPI	1308N	12344E	17	1004.8	1006.7	27.5	1.1	31.7	2.3	25	649	194	5			
TACLOBAN	1115N	12500E	21	1007.9	1008.2	27.0	-0.1	29.8	0.2	22	582	341	6			
ILOILO	1042N	12234E	8	1007.6	1008.5	28.1	1.1	31.7	2.3	14	212	45	4			
TAGBILARAN	0936N	12351E	6	1008.1	1008.8	27.5		31.7		22	124		1			
MACTAN	1018N	12358E	9	1008.4	1009.8	27.7		29.8		14	147					
SURIGAO	0948N	12530E		1001.7	1008.0	27.7	1.0	31.7	2.0	24	578	178	5			
ZAMBOANGA	0654N	12204E	6			28.6	1.5	31.7	2.2	26	174	62	5		226	
<b>SHIP SITE</b>																
OCEAN WEATHER STATIONS																
CHARLIE	5245N	03530W	0		1008.2	7.5 S 7.9			8.4		14	77				

## AFRICA-GABON

## SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN °C	DEPARTURE °C	MEAN mb	DEPARTURE mb	DAYS 1 MM	TOTAL mm	DEPARTURE mm	QUINTILE	
AUG 1987	0°	0°	m		mb	mb	0°C	0°C	mb	mb	mm	mm	mm	hr %	
AFRICA															
GABON															
LIBREVILLE	0027N	00925E		15	1010.0	1011.3	28.9	4.4	28.5	3.2	16	174	168	6 121	
SEP 1987															
AFRICA															
GAMBIA															
BANJUL/YUNDUM	1321N	01648W		36	1008.5	1012.2	27.8	1.3	31.1	2.1	13	231	-78	2 170	
N AMERICA															
HONDURAS															
GUANAJA	1628N	08555W		2	1011.9	1011.9	29.9	1.2	33.3	1.7	11	174	41	4	
LA CEIBA (AIRPORT)	1544N	08652W		26	1010.4	1013.3	27.1	0.2	29.0	16	50	-133	0	227	
TELA	1543N	08729W		3	1012.1	1012.7	29.0	1.7	33.9	5.2	13	232	-31	3 225	
LA MESA (SAN PEDRO SULA)	1527N	08756W		31	1008.6	1012.2	28.3	1.1	29.6	1.4	14	94	-65	2	
PUERTO LEMPIRA	1513N	08348W		13	895.0	1012.1	21.4	-5.6	21.6	-9.0	19	249	-7	3 183	
CATACAMAS	1454N	08556W		442	963.1	1012.7	26.3	1.4	25.5	1.0	20	160	-23	3 201	
SANTA ROSA DE COPAN	1447N	08847W		1079	895.0	1012.1	12.4	-8.6	21.6	0.2	19	249	-49	3 183	
TEGUCIGALPA	1403N	08713W		1007	903.4	1011.6	22.4	0.4	21.3	2.7	15	153	-37	2 199	
CHOLUTeca	1318N	08711W		48	1007.5	1013.2	28.7	2.1	31.0	2.9	19	227	-154	2 105	
OCT 1987															
EUROPE															
ITALY															
VERONA/VILLAFRANCA	4523N	01052E		68	1010.9	1019.1	14.6	1.7	15.0	2.9	12	165	91	5	
VENEZIA/TESSERA	4530N	01220E		6	1018.0	1018.7	14.5	0.9	13.4	1.1	8	113	35	4 91	
PESCARA	4226N	01412E		11	1016.2	1017.4	18.0	3.0	16.7	3.3	5	320	238	6 134	
BRINDISI	4039N	01757E		10	1017.3	1018.5	19.5	1.5	16.8	0.7	4	91	18	4 168	
ASIA															
USSR															
PERM	5801N	05618E		161	1012.2	1032.4	1.5	0.3	6.0	0.8	2	8	-46	0 48	
SVERDLOVSK	5648N	06038E		237	996.0	1031.2	2.0	0.9	5.6	0.5	8	19	-18	1 89	
BANGLADESH															
BOGRA	2451N	08922E		20	1003.0	1005.1	28.6		32.9	18	145			126	
JESSORE	2311N	08910E		7	1010.4	1011.4	28.1		29.6	5	136			236	
CHITTAGONG (PATENGA)	2216N	09149E		6	1007.0	1007.9	28.7		32.0	18	411			183	
COX'S BAZAR	2126N	09158E		4	1010.1	1010.5	27.3		29.9	8	88			261	
AFRICA															
LIBYAN ARAB JAMAHIRIYA															
TRIPOLI INT. AIRPORT	3240N	01309E		81	31	1000.3	1017.3	25.3	3.2	19.1	3.1	0	0	-42	0 96
SUDAN															
DONGOLA	1910N	03029E		226	983.9	1009.9	28.6	-1.1	8.4	-2.2	0	0	0	0 217	
GABON															
LIBREVILLE	0027N	00925E		15	1011.3	1012.8	25.0	-0.8	25.7	-3.2	0	T	-406	1 79	
N AMERICA															
JAMAICA															
MONTEGO BAY/SANGSTER	1830N	07755W		8	1012.0	1012.9	27.8	0.8	28.0	2.0	16	413	253	6 190	
HONDURAS															
GUANAJA	1628N	08555W		2	1012.7	1012.7	26.9	-0.6	29.8	-0.5	30	712	281	5	
LA CEIBA (AIRPORT)	1544N	08652W		26	1012.5	1015.4	24.2	-1.5	25.3	28	748	372	6	73	

N AMER-HONDURAS

## SURFACE LATE REPORTS

STATION	LATITUDE	LONGITUDE	ELEVATION	DAYS OBS.	PRESSURE		TEMPERATURE		VAPOR PRESSURE		PRECIPITATION			SUN-SHINE	
					MEAN STATION	MEAN SEA LEVEL	MEAN	DEPARTURE	MEAN	DEPARTURE	DAYS 1 MM	TOTAL	DEPARTURE	QUINTILE	TOTAL hr
OCT 1987	0°	0°	3	mb	mb	°C	°C	mb	mb	mb	mm	mm	mm	hr	%
N AMERICA															
HONDURAS															
TELA	1543N	08729W	3	1014.5	1015.0	25.5	-0.4	28.7	1.0	25	621	214	5	74	
LA MESA (SAN PEDRO SULA)	1527N	08756W	31	1010.7	1014.4	25.5	-0.2	25.9	-1.9	16	68	-99	1		
PUERTO LEMPIRA	1513N	08348W	13	1009.4	1010.8	27.1	0.3	29.7	-0.4	21	424	46	4		
CATACAMAS	1454N	08556W	442	962.7	1012.4	24.4	0.1	22.6	-1.6	7	37	-122	0	167	
SANTA ROSA DE COPAN	1447N	08847W	1079	896.5	1015.0	18.3	-1.6	18.7	-2.1	23	71	-94	1	105	
TEGUCIGALPA	1403N	08713W	1007	903.3	1012.4	21.0	-0.3	20.2	1.6	12	25	-103	0	227	115
CHOLUTECA	1318N	08711W	48	1006.8	1012.6	29.9	3.1	30.1	2.1	4	58	-262	0	248	105

EUROPE-NORWAY

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED						
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps			
EUROPE - NORWAY																										
JAN MAYEN																										
7056N 00840W OB 3																										
030	23108	5	-71.8	19.8	6	96	299	19	030	22882	1	-73.8	24.0	1	95	315	15	030	23135	0	-72.0	1	94	300	18	
050	20057	2	-67.0	20.4	2	95	292	16	050	19868	0	-69.0	24.6	0	94	310	14	050	20081	0	-68.0	0	97	300	15	
100	15794	1	-59.2	21.9	1	91	280	16	100	15641	0	-60.7	26.7	0	90	304	14	100	15827	0	-59.6	0	87	307	13	
150	13228	1	-55.1	24.1	1	84	269	15	150	13096	0	-56.8	25.7	0	87	300	14	150	13270	0	-56.2	0	89	306	13	
200	11394	0	-55.2	17.4	0	82	270	16	200	11271	0	-57.0	18.4	0	77	295	14	200	11440	0	-55.9	0	77	308	12	
300	8802	0	-51.0	11.0	9	67	266	18	300	8704	0	-53.4	11.4	0	62	284	13	300	8848	0	-51.3	0	60	308	14	
500	5319	0	-27.9	10.1	9	61	259	12	500	5266	0	-31.4	10.3	0	60	274	9	500	5366	0	-28.3	7.0	0	57	299	9
700	2826	0	-13.3	9.8	9	50	251	6	700	2808	0	-16.7	9.1	0	63	265	7	700	2876	0	-13.5	5.5	0	57	277	6
850	1329	0	-7.1	4.5	9	31	226	3	850	1329	0	-9.7	4.2	0	42	251	4	850	1376	0	-5.4	4.2	0	48	241	5
1005	*	9	-2.0	2.5					1005	*	18	-2.4	1.6					1009	*	8	2.9	2.1				
EUROPE - NORWAY																										
BJORNØYA																										
7431N 01901E OB 3																										
030	23108	5	-71.8	19.8	6	96	299	19	030	22882	1	-73.8	24.0	1	95	315	15	030	23135	0	-72.0	1	94	300	18	
050	20057	2	-67.0	20.4	2	95	292	16	050	19868	0	-69.0	24.6	0	94	310	14	050	20081	0	-68.0	0	97	300	15	
100	15794	1	-59.2	21.9	1	91	280	16	100	15641	0	-60.7	26.7	0	90	304	14	100	15827	0	-59.6	0	87	307	13	
150	13228	1	-55.1	24.1	1	84	269	15	150	13096	0	-56.8	25.7	0	87	300	14	150	13270	0	-56.2	0	89	306	13	
200	11394	0	-55.2	17.4	0	82	270	16	200	11271	0	-57.0	18.4	0	77	295	14	200	11440	0	-55.9	0	77	308	12	
300	8802	0	-51.0	11.0	9	67	266	18	300	8704	0	-53.4	11.4	0	62	284	13	300	8848	0	-51.3	0	60	308	14	
500	5319	0	-27.9	10.1	9	61	259	12	500	5266	0	-31.4	10.3	0	60	274	9	500	5366	0	-28.3	7.0	0	57	299	9
700	2826	0	-13.3	9.8	9	50	251	6	700	2808	0	-16.7	9.1	0	63	265	7	700	2876	0	-13.5	5.5	0	57	277	6
850	1329	0	-7.1	4.5	9	31	226	3	850	1329	0	-9.7	4.2	0	42	251	4	850	1376	0	-5.4	4.2	0	48	241	5
1005	*	9	-2.0	2.5					1005	*	18	-2.4	1.6					1009	*	8	2.9	2.1				
EUROPE - NORWAY																										
BODO																										
6715N 01424E OB 3																										
030	23108	5	-71.8	19.8	6	96	299	19	030	22882	1	-73.8	24.0	1	95	315	15	030	23135	0	-72.0	1	94	300	18	
050	20057	2	-67.0	20.4	2	95	292	16	050	19868	0	-69.0	24.6	0	94	310	14	050	20081	0	-68.0	0	97	300	15	
100	15794	1	-59.2	21.9	1	91	280	16	100	15641	0	-60.7	26.7	0	90	304	14	100	15827	0	-59.6	0	87	307	13	
150	13228	1	-55.1	24.1	1	84	269	15	150	13096	0	-56.8	25.7	0	87	300	14	150	13270	0	-56.2	0	89	306	13	
200	11394	0	-55.2	17.4	0	82	270	16	200	11271	0	-57.0	18.4	0	77	295	14	200	11440	0	-55.9	0	77	308	12	
300	8802	0	-51.0	11.0	9	67	266	18	300	8704	0	-53.4	11.4	0	62	284	13	300	8848	0	-51.3	0	60	308	14	
500	5319	0	-27.9	10.1	9	61	259	12	500	5266	0	-31.4	10.3	0	60	274	9	500	5366	0	-28.3	7.0	0	57	299	9
700	2826	0	-13.3	9.8	9	50	251	6	700	2808	0	-16.7	9.1	0	63	265	7	700	2876	0	-13.5	5.5	0	57	277	6
850	1329	0	-7.1	4.5	9	31	226	3	850	1329	0	-9.7	4.2	0	42	251	4	850	1376	0	-5.4	4.2	0	48	241	5
1005	*	9	-2.0	2.5					1005	*	18	-2.4	1.6					1009	*	8	2.9	2.1				
EUROPE - NORWAY																										
OSLO/GARDERMOEN																										
6012N 01106E OB 3																										
030	23405	3	-71.5	3	92	295	19	030	23229	2	-67.5	1	91	292	17	030	23266	0	-70.7	0	95	290	19			
050	20147	1	-67.6	2	96	297	16	050	20173	2	-66.5	1	97	295	14	050	20208	0	-66.9	0	97	295	15			
100	15901	1	-59.9	4	93	304	15	100	15904	2	-58.4	1	95	306	13	100	15952	0	-59.9	0	90	300	13			
150	13351	1	-56.8	2	89	304	14	150	13347	2	-55.6	1	88	311	12	150	13402	0	-56.9	0	89	305	13			
200	11525	0	-57.0	2	80	307	14	200	11516	2	-55.4	1	83	312	13	200	11575	0	-55.9	0	77	310	14			
300	8934	1	-50.7	1	61	304	14	300	8925	2	-51.8	1	62	298	11	300	8976	0	-50.3	0	49	305	10			
500	5430	1	-25.9	6.4	1	56	302	9	500	5450	2	-26.9	12.0	1	59	288										

## EUROPE - U KINGDOM

## UPPER AIR

NOVEMBER 1987

EUROPE-FRANCE

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	
<b>EUROPE - FRANCE</b>																											
<b>NANCY/ESSEY</b>																											
<b>4841N 00613E OB 2</b>																											
030									030									030									
050									050									050									
100	16103	6	-60.0		5	85	306	10	100	16127	2	-60.2		4	80	307	10	100	16196	6	-61.7		1	87	310	12	
150	13549	5	-56.6		3	75	311	12	150	13581	2	-57.2		2	77	306	13	150	13671	6	-59.2		1	85	312	18	
200	11730	4	-55.4		2	70	315	14	200	11759	2	-56.5		2	72	306	15	200	11860	6	-56.9		1	77	311	19	
300	9113	3	-48.0		2	50	314	12	300	9146	2	-47.0		2	54	312	14	300	9237	5	-44.5		1	67	315	15	
500	5562	2	-22.9	9.9	2	49	303	7	500	5580	1	-22.2	11.8	2	46	303	7	500	5621	3	-19.4	11.3	1	53	308	9	
700	3009	0	-6.4	9.2	1	33	268	3	700	3021	0	-5.4	11.9	2	33	316	3	700	3047	0	-3.7	13.4	1	58	306	6	
850	1456	0	1.3	7.0	1	31	242	3	850	1476	0	1.7	6.5	1	33	310	2	850	1490	0	3.5	7.7	1	52	311	4	
992	* 217		6.7	2.9					990	* 240								1013	* 61								
<b>EUROPE - FRANCE</b>																											
<b>NIMES/COURBESSAC</b>																											
<b>4352N 00424E OB 1</b>																											
030									030									030									
050									050									050									
100	16103	1	-3.5	11.1					100	16175	5	-60.6		5	88	295	11	100	16272	0	-62.0		0	81	298	7	
150	3043	1	3.8	7.5					150	13636	5	-58.0		5	79	298	14	150	13753	0	-60.0		0	76	313	1	
200	1485	1	8.2	3.9					200	11809	4	-57.4		5	71	307	14	200	11950	0	-58.1		0	75	313	20	
300									300	9192	4	-45.9		3	62	301	13	300	9319	0	-43.0	14.1	0	73	314	11	
500									500	5615	4	-20.9	12.1	3	48	299	7	500	5687	0	-17.2	16.1	0	65	315	11	
700									700	3039	4	-3.2	11.9	3	53	319	5	700	3086	0	-2.3	15.4	0	57	325	7	
850									850	1478	4	4.9	6.7	3	44	309	2	850	1521	0	5.7	10.1	0	47	321	4	
1010	* 62								1015	* 9								1013	* 67								
<b>EUROPE - SPAIN</b>																											
<b>MADRID/BARAJAS</b>																											
<b>4030N 00335W OB 3</b>																											
030	23734	3	-59.9		3	91	279	9	030	23735	1	-58.1	23.9	1	91	273	11	030	23735	0	-59.3		1	83	284	9	
050	20560	0	-61.9		0	83	297	8	050	20544	0	-61.5	22.5	0	87	288	9	050	20562	0	-63.2		0	82	291	7	
100	16280	0	-61.7		0	83	302	12	100	16255	0	-61.0	20.9	0	83	295	13	100	16321	0	-64.1		0	83	287	12	
150	13756	0	-59.9		0	79	306	15	150	13720	0	-58.2	18.6	0	82	297	17	150	13826	0	-61.7		0	76	291	16	
200	11952	0	-57.4		0	73	309	18	200	11905	0	-56.5	16.7	0	76	302	19	200	12035	0	-58.3		0	66	294	18	
300	9322	0	-43.3	13.4	0	68	312	17	300	9271	0	-44.1	12.8	0	71	304	16	300	9396	0	-41.9	12.5	0	67	299	17	
500	5692	0	-17.4	15.0	0	65	319	10	500	5660	0	-18.5	13.9	0	62	298	9	500	5733	0	-14.9	15.7	0	65	294	10	
700	3088	0	-1.1	16.8	0	53	322	5	700	3067	0	-1.9	14.7	0	52	286	5	700	3108	0	1.0	15.4	0	51	294	5	
850	1518	0	6.1	8.5	0	24	6	2	850	1498	0	6.4	8.7	0	48	283	4	850	1522	0	9.0	10.5	0	21	304	2	
946	* 54		9.5	4.7					1012	* 45								1019	* 4								
<b>EUROPE - PORTUGAL</b>																											
<b>LAJES (ACORES)</b>																											
<b>3845N 02705W OB 1</b>																											
030									030									030									
050									050									050									
100	16103	2	-63.9		7.1	0	76	294	6	100	16063	1	-59.0	8.1	0	85	298	6	100	16980	8	-59.5		0	85	298	6
150	13453	0	-56.4	6.5	0	69	297	6	150	13506	1	-56.4	7.6	0	77	305	6	150	13447	0	-56.4		0	81	307	12	
200	11625	0	-56.1	5.7	0	64	299	6	200	11673	1	-55.2	6.9	0	69	307	7	200	11617	0	-55.7	7.1	0	75	311	13	
300	9032	0	-50.3	5.0	0	53	295	6	300	9073	0	-48.6	6.4	0	55	302	6	300	9024	0	-50.5	6.7	0	55	312	10	
500	5512	0	-24.1	7.1	0	61	291	5	500	5537	0	-23.7	7.3	0	54	287	4	500	5503	0	-24.0	9.6	0	55	301	7	
700	2972	0	-7.7	6.5	0	61	287	4	700	2990	0	-6.8	6.1	0	57	28											

EUROPE-GERMANY, FED REP

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED		
mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps	mb	gpm		°C	°C	%	°	mps			
<b>EUROPE - GERMANY, FEDERAL REPUBLIC HANNOVER 5228N 00942E OB 3</b>																										
030	23417	0	-66.3		0	94	283	18	030	23458	0	-65.2		0	95	277	18	030	23449	0	-66.2		0	93	285	16
050	20304	0	-64.1		0	90	293	12	050	20337	0	-63.3		0	88	286	12	050	20337	0	-64.1		0	91	292	13
100	16018	0	-59.5		0	82	304	11	100	16031	0	-59.0		0	78	293	10	100	16051	0	-59.9		0	83	306	11
150	13463	0	-56.7		0	79	306	13	150	13467	0	-55.7		0	70	298	11	150	13501	0	-57.0		0	79	309	12
200	11636	0	-55.8	7.9	0	71	310	13	200	11634	0	-55.5	20.5	0	64	300	11	200	11675	0	-55.8	8.9	0	69	315	13
300	9038	0	-50.0	7.3	0	53	313	11	300	9031	0	-50.0	11.1	0	52	302	10	300	9073	0	-49.7	8.1	0	55	314	12
500	5516	0	-24.0	9.7	0	51	296	7	500	5512	0	-24.5	11.9	0	55	292	8	500	5540	0	-23.3	9.8	0	57	307	8
700	2974	0	-6.8	8.8	0	60	284	7	700	2973	0	-7.2	10.7	0	57	288	6	700	2993	0	-6.7	9.6	0	53	296	6
850	1435	0	0.8	5.2	0	57	277	6	850	1437	0	-0.4	4.1	0	52	285	5	850	1452	0	1.4	6.3	0	54	280	5
1008	* 55	6.5	1.8					1009	* 46	6.5	2.4					998	* 153	5.9	1.6							
<b>EUROPE - GERMANY, FEDERAL REPUBLIC STUTTGART/SCHNARRENBERG 4850N 00912E OB 3</b>																										
030	23470	0	-64.7		1	94	283	16	030	23488	0	-64.0		0	95	279	16	030	23514	13	-62.6		9	96	279	17
050	20344	0	-63.6		0	88	289	12	050	20356	0	-63.2		0	87	286	12	050	20356	6	-62.8		6	90	279	13
100	16059	0	-59.8		0	81	295	11	100	16061	0	-59.6	12.8	0	76	292	11	100	16048	0	-59.2		0	75	281	12
150	13508	0	-57.0		0	75	305	12	150	13510	0	-57.0	12.7	0	69	294	11	150	13495	0	-57.0		0	65	283	12
200	11684	0	-56.5	9.2	0	67	304	13	200	11686	0	-56.1	11.8	0	60	295	12	200	11674	0	-56.9		0	61	283	14
300	9085	0	-49.5	8.3	0	54	297	13	300	9088	0	-49.7	10.0	0	49	282	12	300	9086	0	-49.8		0	49	269	12
500	5552	0	-23.5	11.3	0	51	280	8	500	5555	0	-23.4	11.0	0	51	281	8	500	5546	0	-22.7	9.6	0	54	279	8
700	3006	0	-6.9	8.2	0	53	277	6	700	3008	0	-7.0	9.4	0	59	275	6	700	2996	0	-6.5	8.5	0	53	297	6
850	1465	0	1.2	5.7	0	47	268	4	850	1467	0	2.1	9.2	0	59	278	6	850	1456	0	1.2	5.8	0	54	300	6
979	* 315	5.5	2.8					959	* 489	4.1	1.8					992	* 200	6.0	3.2							
<b>EUROPE - CZECHOSLOVAKIA PRAHA-LIBUS 5000N 01427E OB 3</b>																										
030	23498	9	-64.5		9	96	265	9	030	23527	26	-65.2		9	97	280	10									
050	20368	0	-63.0		0	91	267	7	050	20323	18	-63.4		9	84	284	7									
100	16027	2	-59.2	7.1	4	75	287	11	100	16067	0	-59.1	6.7	0	77	269	6	100	16012	1	-57.7		1	78	282	6
150	13478	1	-56.4	6.2	2	71	289	12	150	13510	0	-56.7	5.9	0	67	270	7	150	13446	0	-55.6		0	71	298	6
200	11649	0	-56.2	5.7	0	61	293	12	200	11693	0	-57.5	5.1	0	58	268	8	200	11611	0	-55.7		0	64	300	6
300	9056	0	-50.3	5.4	0	49	282	12	300	9101	0	-48.5	4.9	0	51	258	7	300	9014	0	-49.6		0	53	304	4
500	5534	0	-23.9	7.5	0	56	283	8	500	5543	0	-21.9	6.7	0	55	262	5	500	5483	0	-24.2	8.5	0	55	304	4
700	2990	0	-7.0	6.5	0	61	288	7	700	2989	0	-6.4	6.4	0	47	269	3	700	2947	0	-8.4	6.6	0	48	291	3
850	1451	0	0.6	3.5	0	61	288	6	850	1454	0	-0.6	2.6	0	50	241	2	850	1418	0	-1.3	3.8	0	42	274	2
980	* 304	4.9	3.1					933	* 706	2.8	3.1					1013	* 2	4.9	2.0							
<b>EUROPE - POLAND POZNAN 5225N 01650E OB 3</b>																										
030	23522	6	-65.1		6	97	276	9	030	23527	26	-65.2		9	97	280	10									
050	20374	3	-62.8		3	93	284	7	050	2050	18	-63.4		9	84	284	7									
100	16040	1	-58.4		1	81	290	6	100	16040	1	-58.4	6.7	0	77	269	6	100	16012	1	-57.7		1	78	282	6
150	13466	0	-55.7		0	69	291	6	150	13467	1	-55.8	5.9	0	70	291	7	150	13459	17	-55.5		0	71	298	6
200	11623	0	-55.8		0	61	291	6	200	11636	1	-56.2	5.1	0	61	285	7	200	11650	1	-56.7		0	64	300	6
300	9031	0	-50.0		0	55	284	6	300	9040	0	-50.0		0	53	275	7	300	9059	0	-49.3		0	60	292	6
500	5507	0	-24.5	8.9	0	61	287	5	500	5515	0	-23.7	7.7	0	54	277	5	500	5520	0	-23.3	8.5	0	60	292	6
700	2970	0	-7.9	7.9	0	60	281	4	700	2968	0	-7.9	7.3	0	52	272	3	700	2974	0	-6.0		0	60	296	4
850	1440	0	-1.2	3.8	0	48	274	3	850	1438	0	-1.1	4.2	0	52	256	3	850	1438	0	-1.0	2.4	0	60	245	3
1005	* 92	5.1	1.9					1004	* 96	4.2	2.2					1001	* 116	5.3	1.9							
<b>EUROPE - HUNGARY BUDAPEST/LORINC 4726N 01911E OB 3</b>																										
030	23602	15	-60.5		9	98	272	10	030	23602	15	-60.5		9	98	272	10	030	23602	15	-60.5		9	98	272	10
050	20420	9	-61.3		9	95	272	7	050	20420	9	-61.3		9	95	272	7	050	20420	9	-61.3		9	95	272	7
100	16080	5	-58.6		5	78	280	12	100	16094	7	-58.9		9	83	271	7	100	16074	1	-58.5	4.6	3	70	275	7
150	13520	2	-56.6		2	69	279	13	150	13541	4	-56.8		4	73	273	7	150	13514	1	-57.6	4.0				

EUROPE-ROMANIA

## UPPER AIR

NOVEMBER 1987

PRESSURE mb	HEIGHT gpm	LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND																							
		MISSING DAYS			MEAN °C			DEW POINT °C			MISSING DAYS			STEADINESS %			DIRECTION °			SPEED mps			PRESSURE mb			HEIGHT gpm			MISSING DAYS			MEAN °C			DEW POINT °C			MISSING DAYS			STEADINESS %			DIRECTION °			SPEED mps		
		0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2						
030		EUROPE - ROMANIA BUCHARESTI/IMH 4430N 02608E OB 1			0	-58.5	6.0	1	40	270	9	100	16084	0	-60.0	3.7	1	80	260	8	100	16139	0	-61.8	26.1	2	93	277	13	0	-61.9	26.1	2	93	277	13	0	-61.8	26.1	0	84	285	10						
050					0	-56.8	6.8	1	52	270	8	150	13546	0	-58.1	3.4	1	80	265	7	150	13585	0	-59.4	25.8	0	78	291	11	0	-56.5	23.5	0	70	300	12	0	-55.8	18.2	0	62	299	13						
100	16149	0	-58.5	6.0	1	40	270	9	100	16084	0	-60.0	3.7	1	80	260	8	100	16139	0	-61.8	26.1	0	84	285	10	0	-61.9	26.1	2	93	277	13	0	-61.8	26.1	0	84	285	10									
150	13592	0	-56.8	6.8	1	52	270	8	150	13546	0	-58.1	3.4	1	80	265	7	150	13585	0	-59.4	25.8	0	78	291	11	0	-56.5	23.5	0	70	300	12	0	-55.8	18.2	0	62	299	13									
200	11772	0	-57.0	2.8	1	65	265	8	200	11705	0	-58.1	3.2	1	80	260	7	200	11758	0	-59.4	18.2	0	62	299	13	0	-48.0	11.6	0	44	292	10	0	-46.6	12.3	0	41	300	6									
300	9161	0	-46.6	5.8	1	65	250	7	300	9131	0	-46.9	3.5	1	70	250	4	500	5569	0	-48.0	11.6	0	44	292	10	0	-46.6	12.3	0	41	300	6	0	-46.6	12.3	0	41	300	6									
500	5584	0	-21.0	7.5	1	60	260	4	500	5569	0	-22.2	5.5	1	70	250	4	500	5591	0	-21.6	12.3	0	41	300	6	0	-21.6	12.3	0	41	300	6	0	-21.6	12.3	0	41	300	6									
700	3022	0	-6.0	5.3	1	45	250	3	700	3018	0	-5.8	4.8	1	70	240	3	700	3024	0	-4.6	11.5	0	29	312	3	0	-4.6	11.5	0	29	312	3	0	-4.6	11.5	0	29	312	3									
850	1477	0	2.6	4.6	1	40	270	2	850	1479	0	1.5	2.0	1	50	235	2	850	1469	0	4.1	8.6	0	13	360	1	0	4.1	8.6	0	13	360	1	0	4.1	8.6	0	13	360	1									
1006	* 91																																																
		EUROPE - ITALY PRATICA DI MARE 4139N 01226E OB 2																																															
030	23702	8	-59.1	27.7	8	98	273	14	030	23980	7	-54.8	29.2	7	88	273	8	030	23740	0	-57.0	29.6	0	96	267	14	0	-57.0	29.6	0	96	267	14	0	-57.0	29.6	0	96	267	14									
050	20513	5	-61.1	27.0	5	90	275	10	050	20721	4	-58.7	28.0	4	88	281	8	050	20542	0	-61.0	28.0	0	90	269	11	0	-61.0	26.3	0	88	273	15	0	-61.0	26.3	0	88	273	15									
100	16194	5	-60.0	25.7	5	85	277	12	100	16382	3	-59.9	25.6	3	87	277	11	100	16242	0	-61.0	26.3	0	88	273	15	0	-57.3	24.2	0	83	274	19	0	-57.3	24.2	0	83	274	19									
150	13644	3	-56.4	23.9	3	78	274	13	150	13837	3	-57.3	22.5	3	80	279	13	150	13704	0	-57.8	24.2	0	83	274	19	0	-56.3	17.1	0	75	276	21	0	-56.3	17.1	0	75	276	21									
200	11817	3	-55.7	19.4	3	77	275	16	200	12017	3	-56.3	15.6	3	70	286	13	200	11883	0	-56.9	17.1	0	75	276	21	0	-42.8	12.0	3	60	288	10	0	-42.8	12.0	3	60	288	10									
300	9197	3	-46.3	13.5	3	62	261	14	300	9380	3	-42.8	12.0	3	60	288	10	300	9257	0	-44.7	13.4	0	67	274	18	0	-42.8	12.0	3	60	288	10	0	-42.8	12.0	3	60	288	10									
500	5617	3	-20.4	13.4	4	50	260	8	500	5734	1	-15.4	14.1	3	53	292	7	500	5652	0	-18.7	14.3	0	62	275	11	0	-15.4	14.1	0	53	271	7	0	-15.4	14.1	0	53	271	7									
700	3039	2	-3.1	11.5	3	41	261	5	700	3109	1	1.4	11.8	2	38	277	3	700	3059	0	-1.9	15.5	0	53	271	7	0	1.4	11.8	2	38	277	3	0	1.4	11.8	2	38	277	3									
850	1475	2	5.9	6.9	3	30	218	3	850	1516	1	11.5	10.3	2	33	286	3	850	1489	0	6.9	9.4	0	50	271	5	0	11.5	10.3	2	33	286	3	0	11.5	10.3	2	33	286	3									
1010	* 12																																																
		EUROPE - ITALY CAGLIARI/ELMAS 3915N 00903E OB 2																																															
030	23174	7	-58.0	28.5	8	94	269	13	030	24308	6	-46.3	29.2	9	82	240	7	030	24099	9	-51.7	29.6	9	50	275	2	0	-56.4	29.6	9	50	275	2	0	-56.4	29.6	9	50	275	2	0	-56.4	29.6	9	50	275	2		
050	202121	5	-61.0	28.0	6	85	274	9	050	20958	4	-51.6	28.0	4	93	300	7	050	20807	5	-56.4	28.0	8	80	270	4	0	-56.4	28.0	8	80	270	4	0	-56.4	28.0	8	80	270	4									
100	15937	1	-60.5	27.3	3	82	278	13	100	16495	4	-54.0	25.6	3	87	310	11	100	16424	2	-56.8	26.3	3	88	300	8	0	-55.8	26.3	4	72	300	8	0	-55.8	26.3	4	72	300	8									
150	13466	0	-57.6	24.2	1	78	285	16	150	13890	0	-53.0	22.5	0	75	310	11	150	13854	2	-55.8	24.2	0	72	300	8	0	-53.1	24.2	0	71	300	8	0	-53.1	24.2	0	71	300	8									
200	11685	0	-55.8	20.0	0	69	282	16	200	12031	0	-51.5	20.0	0	83	300	13	200	12026	0	-53.1	20.0	1	93	305	15	0	-41.5	18.0	0	64	290	11	0	-41.5	18.0	0	64	290	11									
300	9100	0	-44.6	14.1	0	66	287	16	300	9958	0	-16.8	11.1	0	86	290	9	300	9358	0	-42.1	12.6	0	66	290	11	0	-16.8	11.1	0	66	290	11	0	-16.8	11.1	0	66	290	11									
500	5581	0	-18.8	16.1	0	57	284	9	500	5705	0	-16.8	11.1	0	86	290	9	500	5714	0	-16.1	10.0	0	66	290	11	0	-16.1	10.0	0	66	290	11	0	-16.1	10.0	0	66	290	11									
700	3038	0	-1.6	20.2	0	51	284	6	700	3099	0	-1.4	9.6	0	73	340	6	700	3103	0	-1.1	10.7	1	42	320	3	0	-1.1	10.7	1	42	320	3	0	-1.1	10.7	1	42	320	3									
850	1486	1	6.5	10.9	0																																												

EUROPE-USSR

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mbar	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps
EUROPE - USSR ARHANGEL'SK 6435N 04030E 0B 1																										
030	22921	8	-71.1	5.5	9	86	284	8	030	23285	4	-67.6		5	95	285	10	030	23327	8	-66.6	8.0	8	92	270	12
050	19875	4	-68.1	5.3	5	88	286	7	050	20183	1	-64.8		2	94	290	9	050	20235	4	-64.0	8.1	4	95	274	9
100	15643	0	-61.1	5.6	0	84	288	6	100	15890	1	-57.9		0	82	292	7	100	15944	1	-58.6	8.4	1	82	278	7
150	13101	0	-57.2	5.5	0	76	291	6	150	13310	0	-54.8		0	74	293	7	150	13381	0	-55.5	7.4	0	71	277	7
200	11279	0	-56.6	5.1	0	64	292	6	200	11470	0	-54.9		0	63	290	7	200	11548	1	-56.4	6.3	1	59	278	7
300	8715	0	-55.2	4.8	0	47	288	5	300	8880	0	-51.1		0	52	296	7	300	8953	1	-50.2	6.0	1	46	272	6
500	5298	0	-33.4	6.0	0	41	278	3	500	5393	0	-28.3	6.2	0	58	291	5	500	5453	1	-25.6	7.1	1	44	269	4
700	2859	0	-18.4	6.2	0	35	262	2	700	2900	0	-13.4	5.8	0	40	271	3	700	2932	1	-10.1	7.0	1	48	258	3
850	1388	0	-11.0	4.5	1	17	243	1	850	1400	0	-6.2	3.3	0	28	246	2	850	1418	0	-3.1	3.4	0	44	244	3
1017	* 13		-10.1	2.3																						
EUROPE - USSR MINSK 5352N 02732E 0B																										
030	23349	0	-65.8	7.8	0	95	278	12	030	23233	10	-65.7	6.8	9	92	259	9	030	23251	6	-64.3	5.8	9	88	299	8
050	20242	0	-63.7	7.8	0	93	282	9	050	20120	4	-63.3	6.5	9	93	265	8	050	20114	5	-62.8	5.6	9	89	293	9
100	15950	0	-58.5	7.7	0	82	285	7	100	15803	0	-58.8	6.3	1	86	264	7	100	15803	4	-58.6	5.3	7	86	293	9
150	13388	0	-56.0	6.8	0	72	284	7	150	13249	0	-56.3	5.9	0	85	261	7	150	13244	4	-56.8	4.8	5	85	292	10
200	11561	0	-56.8	5.7	0	66	281	8	200	11419	0	-56.0	5.5	0	85	258	7	200	11421	4	-56.4	4.4	4	86	290	10
300	8983	0	-51.0	5.4	0	54	271	8	300	8837	0	-52.5	5.2	0	68	259	7	300	8847	4	-51.9	4.1	5	81	287	9
500	5472	0	-25.4	7.6	0	54	278	5	500	5379	0	-30.3	6.6	0	63	259	5	500	5385	4	-30.4	5.2	4	80	285	7
700	2951	0	-10.1	6.5	0	54	256	4	700	2907	0	-14.9	6.5	0	62	242	4	700	2922	4	-16.1	6.9	4	75	272	5
850	1433	0	-2.8	3.3	0	40	246	3	850	1416	0	-8.0	4.2	0	39	216	2	850	1439	4	-9.8	4.9	4	55	265	3
988	* 234		1.2	2.2																						
EUROPE - USSR MOSKVA 5545N 03734E 0B																										
030	23308	9	-65.7	8.5	9	95	274	11	030	23554	2	-63.0		2	98	274	11	030	23509	0	-63.1	6.2	9	97	271	9
050	20182	4	-64.5	8.0	5	93	281	9	050	20406	1	-61.7		1	91	276	8	050	20361	0	-61.5	5.9	9	85	276	6
100	15885	3	-58.7	7.9	3	88	283	8	100	16077	0	-57.6		1	86	276	8	100	16026	0	-58.5	5.4	9	72	277	5
150	13314	2	-55.7	7.6	2	90	281	8	150	13510	0	-56.1		0	79	273	9	150	13469	0	-57.1	5.0	9	70	264	5
200	11470	1	-56.2	6.6	1	83	279	9	200	11688	0	-57.8		0	68	273	10	200	11655	0	-58.2	4.7	9	57	263	5
300	8885	1	-51.6	5.9	1	73	276	9	300	9087	0	-48.0		0	51	264	8	300	9073	0	-49.4	5.0	9	56	248	6
500	5410	1	-28.6	7.4	1	71	270	6	500	5526	0	-22.3	6.7	0	51	262	5	500	5530	0	-23.0	6.4	6	60	254	5
700	2922	1	-13.2	6.3	1	56	263	4	700	2983	0	-8.4	6.3	0	52	260	3	700	2985	0	-7.9	5.0	0	47	258	3
850	1420	1	-6.0	5.4	2	44	244	3	850	1454	0	-1.3	4.0	0	39	239	2	850	1453	0	-1.1	2.5	0	46	261	2
993	* 156		-3.9	2.4																						
EUROPE - USSR ODESSA 4629N 03038E 0B 1																										
030	23655	3	-61.3		4	95	263	10	030	23424	2	-64.7	7.7	2	96	273	12	030	23549	1	-63.4		1	96	277	11
050	20490	2	-61.2		2	94	264	8	050	20288	1	-63.5	7.5	1	94	278	10	050	20406	0	-62.3		0	90	279	9
100	16158	1	-58.4		1	90	261	8	100	15977	0	-58.9	7.1	0	93	281	10	100	16090	0	-58.2		0	92	275	9
150	13594	1	-56.6		1	85	258	9	150	13423	0	-57.3	6.2	0	91	279	10	150	13538	0	-57.4		0	88	274	10
200	11775	0	-57.7		1	72	256	9	200	11612	0	-56.7	5.4	0	87	279	11	200	11726	0	-58.3		0	70	272	10
300	9164	0	-46.5		0	61	256	8	300	9033	0	-49.8	5.5	0	78	277	10	300	9116	0	-46.1		0	59	271	8
500	5588	0	-21.1	8.1	0	68	253	5	500	5513	0	-25.6	7.0	0	78	273	7	500	5535	0	-21.4	8.3	0	64	265	6
700	3023	0	-5.7	6.9	0	58	248	3	700	2999	0	-11.0	8.0	0	54	266	3	700	2988	0	-7.4	9.7	0	53	259	2
850	1475	0	1.8	5.1	0	45	227	2	850	1490	0	-5.2	8.1	0	24	226	2	850	1462	0	-1.5	8.0	0	41	238	2
1013	* 64		7.0	3.1																						
EUROPE - USSR ROSTOV-NA-DONU 4715N 03949E 0B 1																										
030	23590	2	-59.9	8.3	2	98	268	13	030	23634	2	-58.2		2	92	264	11	030	23824	6	-54.9		6	88	271	13
050	20403	0	-60.4	7.8	0	95	270	10	050	20456	1	-62.2		1	93	263	10	050	20625	2	-63.0		2	95	261	14
100	16071	0	-58.8	6.9	0	92	271	10	100	16181	0	-61.7		0	92	262	12	100	16395	2	-64.3</td					

EUROPE-ISRAEL

## UPPER AIR

NOVEMBER 1987

LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			LEVEL	TEMPERATURE			VECTOR WIND			
	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm		°C	°C	%	%	%	°	mps	mb	gpm		°C	°C	%	%	°	mps	mb	gpm		°C	°C	%	%	°	mps	
EUROPE - ISRAEL BET DAGAN 3200N 03449E OB 2																												
030										030									030									
050										050									050									
100	16444	1	-65.4			0	97	257	35	100	16422	15	-64.5		9	95	259	20	100	15434	0	-67.8	3.6	2	57	7	3	
150	13946	1	-60.8			0	97	259	40	150	13924	7	-61.1		7	96	253	24	150	12892	0	-57.3	3.4	0	78	321	5	
200	12137	1	-56.5			0	95	259	34	200	12105	3	-56.0		3	93	254	24	200	11067	0	-56.2	3.1	0	72	310	6	
300	9476	0	-39.9	9.0		0	93	257	26	300	9445	0	-39.7		0	93	251	22	300	8500	0	-56.5	2.7	0	66	289	5	
500	5782	0	-13.1	13.9		0	90	254	13	500	5761	0	-13.0	17.6	0	93	248	13	500	5130	0	-37.4	3.2	0	60	278	5	
700	3132	0	4.0	16.7		0	78	241	6	700	3115	0	3.6	20.9	0	81	237	7	700	2733	0	-22.9	2.7	0	53	269	3	
850	1531	0	12.4	12.3		0	50	202	3	850	1520	0	11.8	12.2	0	46	210	3	850	1288	0	-16.3	1.7	0	29	258	2	
1013	*	30	23.5	4.6					940	*	687								1007	*	20							
ASIA - USSR GMO IM.E.K. FEDOROV 7743N 10417E OB 1																												
030	22710	0	-67.3			0	84	180	7	030	22668	7	-70.4		7	36	244	2	030	22819	5	-63.7	4.3	6	91	201	9	
050	19627	0	-65.9			0	75	173	4	050	19623	1	-68.5		2	37	308	2	050	19687	1	-64.5	3.9	3	61	209	4	
100	15376	0	-60.3			0	12	108	1	100	15408	1	-61.5		1	57	342	3	100	15405	1	-59.5	3.7	1	10	333	1	
150	12829	0	-57.0			0	24	25	1	150	12881	1	-58.4		1	67	341	4	150	12848	0	-56.6	3.4	1	44	355	2	
200	11005	0	-56.0			0	30	3	2	200	11067	0	-58.0		0	58	340	5	200	11021	0	-56.5	3.2	0	45	359	3	
300	8445	0	-57.7			0	36	353	3	300	8526	0	-58.2		0	47	340	5	300	8467	0	-59.1	2.8	0	46	6	5	
500	5111	0	-40.3	4.6		0	12	324	1	500	5177	0	-37.9	4.7	0	41	330	4	500	5133	0	-39.8	3.3	0	29	355	3	
700	2739	0	-25.6	4.7		0	6	233	1	700	2782	0	-23.2	4.9	0	29	309	2	700	2761	0	-25.1	3.4	0	35	327	2	
850	1311	0	-19.8	3.8		0	6	181	1	850	1338	0	-16.3	4.1	0	34	283	2	850	1333	0	-19.9	2.8	0	47	296	3	
1012	*	13	-24.7	3.2					1008	*	20								1015	*	24							
ASIA - USSR MYS KAMENNYJ 6828N 07336E OB 1																												
030	22880	7	-66.2	4.4		9	43	295	3	030	22854	1	-72.3	5.3	2	90	293	9	030	22819	5	-63.7	4.3	6	91	201	9	
050	19782	3	-64.4	4.4		9	43	295	3	050	19818	1	-68.6	5.4	1	88	302	7	050	19867	1	-64.5	3.9	3	61	209	4	
100	15510	2	-59.6	4.2		9	70	323	4	100	15591	0	-60.7	5.4	0	76	313	6	100	15560	10	-59.6		9	71	306	5	
150	12963	2	-57.3	4.0		9	71	336	4	150	13048	0	-57.5	5.1	0	70	317	5	150	13015	6	-57.3		7	55	309	4	
200	11157	1	-58.2	3.4		9	60	337	4	200	11232	0	-57.3	4.7	0	48	323	4	200	11195	2	-57.7		2	42	319	4	
300	8615	0	-36.7	3.1		9	52	357	4	300	8670	0	-56.0	4.3	0	30	328	3	300	8644	1	-56.8		1	34	323	4	
500	5230	0	-35.6	3.8		8	42	350	3	500	5271	0	-34.3	5.9	0	30	318	2	500	5267	0	-34.8	5.8	0	32	323	3	
700	2814	0	-20.7	4.4		9	38	10	2	700	2842	0	-19.2	5.9	0	36	303	2	700	2847	0	-20.1	5.5	0	32	318	2	
850	1360	0	-15.2	2.9		9	34	65	2	850	1375	0	-12.1	3.6	0	30	287	2	850	1382	0	-14.3	3.5	1	42	298	2	
1017	*	17	-17.0	2.3					1015	*	7								1016	*	35							
ASIA - USSR TURUHANSK 6547N 08757E OB 1																												
030	22895	0	-66.3			8	81	261	8	030	23024	0	-69.7		0	91	284	11	030	23018	9	-65.4		9	90	276	12	
050	19777	4	-64.7			4	75	280	6	050	19967	0	-66.6		0	89	291	9	050	19891	1	-64.6		3	86	287	9	
100	15496	2	-59.4			2	78	305	5	100	15714	0	-59.9		0	94	299	8	100	15608	1	-59.4		1	88	300	8	
150	12951	2	-57.2			2	78	319	5	150	13162	0	-56.8		0	88	297	7	150	13061	0	-57.0		0	84	303	7	
200	11139	2	-57.4			2	68	320	5	200	11342	0	-56.9		0	78	293	7	200	11236	0	-56.9		0	72	303	7	
300	8575	0	-56.8			0	55	332	3	300	8770	0	-53.7		0	54	285	6	300	8671	0	-55.6		0	57	310	7	
500	5200	0	-36.9	5.7		0	36	343	3	500	5337	0	-31.7	7.0	0	54	281	4	500	5272	0	-33.7	4.9	0	52	314	5	
700	2800	0	-23.3	4.9		0	18	304	1	700	2888	0	-17.6	6.2	0	42	274	3	700	2839	0	-19.5	6.1	0	58	316	4	
850	1366	0	-19.0	3.5		0	17	214	1	850	1412	0	-10.7	4.9	0	42	269	2	850	1379	0	-13.6	4.4	0	51	311	3	
1016	*	32	-25.5	3.2					1005	*	96								1013	*	40							
ASIA - USSR VERHOJANSK 6733N 13323E OB 1																												
030	23238	6	-52.3	7.0		7	92	214	15	030	22955	4	-59.5		7	85	238	9	030	23335	0	-48.7		0	95	218	14	
050	19961	2	-53.9	6.0		5	93	207	11	050	19762	2	-61.1		2	81	260	6	050	1993	0	-51.8		0	89	221	10	
100	15512	0	-54.3	4.9		0</td																						

ASIA-USSR

## UPPER AIR

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LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND				LEVEL		TEMPERATURE				VECTOR WIND			
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	° DIRECTION	SPED	PRESSURE mb	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	° DIRECTION	SPED	PRESSURE mb	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	% STEADINESS	° DIRECTION	SPED			
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps			
ASIA - USSR SVERDLOVSK 5648N 06038E OB 1																													
030	23203	3	-62.9		5	94	275	14	030	23195	7	-61.9	8.3	8	96	276	14	030	23315	4	-62.2			4	93	274	14		
050	20049	0	-63.3		0	90	285	11	050	20028	4	-62.7	8.2	4	93	283	12	050	20155	2	-62.4			2	93	283	12		
100	15765	0	-58.8		0	88	292	9	100	15705	2	-59.2	7.6	2	91	288	10	100	15837	0	-58.4			0	89	285	11		
150	13209	0	-56.2		0	88	296	9	150	13148	1	-56.6	7.1	2	83	288	10	150	13277	0	-56.2			0	81	286	10		
200	11377	0	-56.4		0	84	299	9	200	11325	1	-56.8	6.3	1	78	287	10	200	11458	0	-57.0			0	75	290	11		
300	8796	0	-53.8		0	72	301	9	300	8754	0	-54.1	5.6	0	64	285	10	300	8872	0	-51.5			0	70	287	10		
500	5357	0	-32.0	7.2	0	72	301	6	500	5333	0	-32.9	7.2	0	64	288	7	500	5402	0	-29.1	6.9		0	72	286	8		
700	2914	0	-17.7	7.4	0	66	300	4	700	2894	0	-18.7	6.5	0	70	282	5	700	2930	0	-15.7	7.1		0	66	287	5		
850	1440	0	-11.0	7.1	0	64	301	4	850	1429	0	-13.5	3.9	0	63	277	4	850	1450	0	-10.2	7.1		0	48	281	3		
987	* 237		-12.1	3.9					1014	* 94								1003	* 171					-10.7	3.3				
ASIA - USSR KOLPASEV 5818N 08254E OB 1																													
030	23096	12	-59.6		9	94	266	13	030	23215	8	-51.4		9	95	244	12	030	23456	14	-48.2			9	96	230	14		
050	19907	5	-61.8		5	91	278	10	050	19934	6	-55.6		6	97	260	9	050	20138	13	-51.7			9	94	237	10		
100	15596	0	-59.2		0	85	288	8	100	15542	1	-56.0		1	83	282	7	100	15639	11	-52.8			9	92	246	6		
150	13039	0	-57.0		0	75	291	8	150	12952	1	-54.7		1	81	296	7	150	13011	10	-52.6			9	91	261	5		
200	11225	0	-57.7		0	71	290	8	200	11119	0	-54.7		0	82	299	8	200	11158	10	-53.6			9	75	270	5		
300	8666	0	-54.9		0	58	290	8	300	8547	0	-56.6		0	82	303	10	300	8567	9	-56.6			9	62	282	5		
500	5267	0	-35.1	5.3	0	64	282	6	500	5198	0	-40.1	4.9	0	74	298	6	500	5208	9	-38.5	5.1		9	64	290	4		
700	2853	0	-21.5	4.8	0	59	275	4	700	2834	0	-26.2	3.9	1	77	288	4	700	2824	9	-24.9	3.9		9	64	311	3		
850	1406	0	-16.4	3.7	0	64	265	4	850	1415	0	-21.3	3.5	1	77	266	4	850	1401	9	-21.8	3.9		9	78	272	4		
1014	* 76		-17.8	2.4					994	* 258		-25.4	2.3					937	* 682		-22.3	3.8							
ASIA - USSR OHTOSK 5922N 14312E OB 1																													
030	23630	7	-45.2		7	93	216	12	030	23605	8	-48.1		8	91	233	8	030	23677	0	-48.4	12.1		0	95	229	7		
050	20227	7	-47.7		7	93	223	10	050	20254	6	-50.3		6	93	249	10	050	20333	0	-50.5	11.7		0	95	244	9		
100	15663	7	-50.4		7	90	221	8	100	15748	0	-51.8		0	94	264	11	100	15821	0	-51.0	9.6		0	92	258	12		
150	13022	6	-51.9		6	77	217	6	150	13120	0	-51.6		0	91	267	12	150	13184	0	-50.8	8.8		0	92	262	13		
200	11168	6	-53.6		6	72	209	5	200	11257	0	-52.3		0	95	272	12	200	11313	0	-51.4	7.5		0	96	265	14		
300	8592	6	-56.9		6	50	202	5	300	8652	0	-53.1		0	84	274	12	300	8692	0	-51.8	6.2		0	84	270	15		
500	5211	6	-36.3	5.8	6	45	191	3	500	5246	0	-35.5	5.5	0	76	276	8	500	5270	0	-33.9	7.0		0	82	274	10		
700	2800	6	-21.2	6.3	6	13	213	1	700	2844	0	-21.9	7.0	0	76	290	5	700	2843	0	-19.9	7.2		0	78	277	6		
850	1343	6	-13.8	5.8	6	0	104	0	850	1399	0	-17.4	5.9	0	63	308	3	850	1386	0	-14.5	7.0		0	70	268	4		
1012	* 6		-15.1	4.5					1004	* 137		-16.0	5.3					1010	* 72		-11.9	5.8							
ASIA - USSR VLADIVOSTOK 4307N 13154E OB 1																													
030	23751	2	-50.9		2	98	240	7	030	23729	5	-50.0		5	89	227	6	030	23787	0	-47.1			0	87	212	5		
050	20454	1	-54.0		1	93	255	10	050	20402	3	-51.0		4	94	242	8	050	20416	0	-47.7			0	87	234	6		
100	16016	0	-54.7		0	95	265	17	100	15901	2	-51.3		2	98	258	13	100	15851	0	-48.9			0	88	245	8		
150	13416	0	-53.0		0	96	266	20	150	13265	1	-50.7		1	95	260	15	150	13197	0	-49.5			0	88	248	8		
200	11566	0	-54.2		0	96	267	22	200	11398	1	-51.7		1	95	261	16	200	11321	0	-50.9			0	78	248	8		
300	8948	0	-48.6		0	91	268	20	300	8768	0	-50.6		0	88	264	16	300	8709	0	-52.6			0	54	243	7		
500	5432	0	-26.8	8.6	0	91	271	13	500	5310	0	-31.3	8.3	0	78	268	10	500	5271	0	-32.2	6.2		0	29	240	3		
700	2939	0	-13.4	10.6	0	91	281	8	700	2856	0	-16.7	8.1	0	81	272	7	700	2818	0	-16.7	6.2		0	185	49	1		
850	1449	0	-9.5	7.8	0	74	305	5	850	1380	0	-10.2	4.1	1	56	283	4	850	1335	0	-7.7	4.8		0	17	49	1		
1012	* 138		-4.8	6.8					1011	* 31		-3.1	3.3					995	* 7		-1.6	5.9							
ASIA - USSR ORENBURG 5145N 05506E OB 1																													
030	23413	9	-61.3		9	93	274	11	030	23553	0	-59.3		2	92	276	13	030	23618	9	-56.4			9	96	272	15		
050	20202	4	-62.2		4	93	279	11	050	20357	0	-59.0		0															

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LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND								
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	% STEADINESS	DIRECTION	SPEED	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	% STEADINESS	DIRECTION	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING DAYS	MEAN °C	Dew Point °C	MISSING DAYS	% STEADINESS	DIRECTION	SPEED mps			
mb	gpm						°	mps	mb	gpm						°	mps	mb	gpm					°	mps				
ASIA - USSR ALMA-ATA 4314N 07656E 0B																													
030									030	23641	4	-59.0	9.0	5	96	287	10	030	23773	19	-58.4	8.7	9	97	277	7			
050	20394	16	-60.6	6.4	9	96	269	12	050	20471	1	-62.3	7.9	1	96	286	12	050	20609	15	-63.2	7.9	9	94	278	10			
100	16073	8	-59.9	5.8	9	96	271	15	100	16189	1	-60.7	7.1	1	95	286	15	100	16342	8	-61.9	7.7	9	97	274	14			
150	13529	3	-58.8	5.4	3	96	273	16	150	13648	1	-58.3	6.4	1	95	286	18	150	13806	5	-58.0	7.8	5	94	273	16			
200	11724	2	-59.3	4.7	2	94	274	17	200	11848	1	-58.9	5.6	1	92	285	18	200	12001	3	-56.6	7.3	3	96	273	16			
300	9147	1	-50.3	4.9	1	95	274	16	300	9248	0	-46.3	6.1	0	88	280	14	300	9363	1	-42.5	8.5	1	88	270	13			
500	5620	1	-24.1	6.6	1	90	269	11	500	5673	0	-20.0	9.8	0	91	272	9	500	5726	0	-16.2	12.3	0	86	267	8			
700	3080	1	-6.7	9.5	1	88	255	5	700	3100	0	-3.6	11.4	0	88	261	6	700	3112	0	0.1	11.6	0	78	268	4			
850	1538	1	1.3	9.9	2	38	283	1	850	1541	0	5.3	11.3	0	59	236	2	850	1530	0	8.7	10.3	0	23	272	1			
947	* 847		-0.1	3.7					965	* 428		7.1	5.9					986	* 228		10.3	9.9							
ASIA - SAUDI ARABIA TABUK 2822N 03638E 0B 3																													
030									030	23811	16	-56.1						030											
050	20630	8	-65.5	23.9	8	84	258	6	050	20643	9	-66.3	25.0	9	61	279	3	050											
100	16504	4	-69.9	21.7	4	97	254	28	100	16550	8	-70.9	22.3	9	95	260	23	100											
150	14046	3	-62.6	19.8	3	98	257	39	150	14103	6	-63.0	19.9	9	97	263	34	150	14137	12	-64.4	17.0							
200	12243	4	-55.5	16.6	4	96	259	41	200	12300	7	-55.1	17.9	9	95	264	37	200	12339	13	-54.2	15.2							
300	9558	3	-37.6	17.7	3	93	256	30	300	9609	6	-36.5	17.3	8	91	262	27	300	9625	11	-35.3	18.4							
500	5833	3	-10.2	28.4	3	90	251	15	500	5858	6	-8.9	32.0	8	83	255	13	500	5864	9	-7.4	27.7	9	88	259	12			
700	3154	3	5.9	22.4	3	85	229	7	700	3178	6	6.3	11.7	7	84	225	7	700	3164	9	7.9	27.5	9	30	297	2			
850	1538	3	15.8	16.8	3	60	173	3	850	1551	6	17.3	19.0	7	77	182	4	850	1541	9	17.0	19.4	9	55	348	3			
929	* 776		19.5	16.6					905	* 1013		19.5	15.1					1013	* 17		23.6	10.6							
ASIA - SAUDI ARABIA MADINAH 2433N 03942E 0B 3																													
030									030	23811	16	-56.1						030											
050	20637	11	-67.0	22.1					050	20643	9	-66.3	25.0	9	61	279	3	050											
100	16583	8	-73.7	18.8	9	94	249	17	100	16575	9	-74.0	21.2	9	93	263	16	100	16591	3	-75.6	19.7	5	87	253	10			
150	14155	6	-64.2	17.2	6	96	259	29	150	14151	7	-64.5	19.1	8	97	264	28	150	14189	4	-66.1	18.5	3	94	260	21			
200	12356	6	-53.9	15.9	6	96	261	32	200	12354	6	-54.3	17.7	6	95	269	29	200	12394	4	-54.0	18.0	4	94	262	22			
300	9647	5	-34.6	18.5	5	94	259	24	300	9648	4	-34.8	21.0	4	93	271	22	300	9672	3	-33.3	25.5	3	93	257	16			
500	5867	5	-6.5	33.4	4	87	249	12	500	5875	4	-7.2	33.7	4	81	261	10	500	5880	4	-5.7	40.3	3	76	234	7			
700	3167	4	7.7	14.3	4	80	202	6	700	3176	4	7.5		4	40	299	2	700	3166	4	9.4	21.8	4	78	189	4			
850	1531	4	20.2	18.0	4	63	152	4	850	1551	3	17.6	20.4	4	19	200	1	850	1525	3	20.1	13.9	4	83	155	4			
941	* 636		26.5	22.0					948	* 612		21.5	22.0					1009	* 18		29.0	8.8							
ASIA - SAUDI ARABIA KHAMIS MUSHAIT 1818N 04248E 0B 3																													
030									030	23753	0	-56.7					0	84	300	5	030	23673	8	-57.2		8	97	270	15
050	20621	12	-67.9	22.7					050	20595	0	-67.3					0	82	281	7	050	20556	3	-63.6					
100	16617	7	-77.3	16.4	8	23	227	1	100	16494	0	-71.0					0	97	265	36	150	13843	0	-60.3		1	97	270	38
150	14227	6	-66.0	15.8	6	81	262	10	150	14045	0	-62.8					0	98	265	36	150	13843	0	-60.3		1	97	270	38
200	12432	4	-53.3	17.6	3	78	267	10	200	12248	0	-55.5					0	97	268	39	200	12038	0	-55.5	29.2	1	95	270	38
300	9696	4	-31.9	24.3	4	75	254	6	300	9564	7	-38.0	61.8	0	94	270	29	300	9395	0	-42.5	19.6	0	89	265	30			
500	5888	3	-5.3	33.4	4	67	114	4	500	5840	0	-10.3	44.3	0	86	264	15	500	5751	1	-16.3	22.3	0	83	260	15			
700	3172	3	9.9	20.3	3	35	69	1	700	3170	0	5.8	17.7	0	73	277	7	700	3130	0	0.6	18.9	0	86	275	6			
799	* 2054		17.8	17.7					850	1553	0	16.2	5.3	0	62	274	4	850	1541	0	13.0	19.4	1	71	275	3			
									1012	* 55		21.9	4.1					886	* 1191		16.3	17.2							
ASIA - IRAN, ISLAMIC REPUBLIC OF KERMAN 3015N 05658E 0B 2																													
030	23818	2	-55.2						030	23540	18	-58.1					9	92	284	6	030	23673	8	-57.2		8	97	270	15
050	20641	1	-66.4						050	20712	20	-65.4					9	97	280	9	050	20556	3	-63.6					
100	16515	0	-66.8						100	16448	7	-65.3	9.3	6	95	274	19	100	16601	5	-73.9		3	90	265	14			

ASIA-PAKISTAN

## UPPER AIR

NOVEMBER 1987

ASIA-INDIA

## UPPER AIR

NOVEMBER 1987

ASIA-JAPAN

## UPPER AIR

NOVEMBER 1987

ASIA-THAILAND

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND									
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED				
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps				
ASIA - THAILAND BANGKOK 1344N 10034E OB 1																														
030																														
050	20660	6	-62.7		6	53	290	3	050	20629	9	-63.5		9	73	280	6	050												
100	16615	2	-81.4		3	88	110	10	100	16589	2	-81.0		2	96	95	14	100	16274	9	-72.3									
150	14257	0	-66.9		1	77	130	9	150	14235	1	-67.9		1	89	90	18	150	14370	9	-30.1									
200	12461	0	-52.7		1	77	135	8	200	12448	1	-53.0		1	95	95	15	200	12550	1	-49.0		7.1							
300	9709	0	-30.5	8.2	1	81	115	7	300	9696	0	-30.2	8.5	0	90	95	9	300	9756	6	-27.2	8.9	9	89	92	8				
500	5878	0	-5.1	5.9	0	83	105	6	500	5865	0	-5.1	14.1	0	55	90	3	500	5893	6	-3.5	8.3	8	86	62	6				
700	3157	0	9.5	5.8	0	75	110	4	700	3143	0	9.5	3.7	0	33	5	2	700	3161	6	1.7	7.5								
850	1519	0	17.8	2.5	0	83	90	6	850	1503	0	18.1	2.5	0	53	305	3	850	1520	6	17.0	1.9								
1012	* 20		25.5	1.4					1009	*	5							1012	*	7										
ASIA - CHINA HAILAR 4913N 11945E OB 1																														
030	23556	5	-49.4	8.5	9	100	235	11	030	23587	5	-55.8	10.6	6	100	272	10	030	23710	2	-55.3		2	92	258	6				
050	20229	2	-51.9	7.6	5	100	256	11	050	20368	0	-60.0	10.2	1	100	277	13	050	20513	2	-63.0		4	100	269	8				
100	15756	0	-52.9	6.7	1	100	268	12	100	16041	0	-59.4	8.2	1	100	280	16	100	16273	2	-64.2		4	98	271	20				
150	13144	0	-53.3	6.2	1	96	272	13	150	13493	0	-57.9	8.0	1	97	280	17	150	13762	2	-59.2		8.6	3	100	270	25			
200	11293	0	-54.0	5.6	2	94	276	14	200	11688	0	-60.4	7.8	0	97	278	18	200	11945	2	-56.4		8.6	2	96	272	24			
300	8710	0	-54.7	4.9	2	88	278	14	300	9117	0	-49.7	7.0	0	93	282	14	300	9320	2	-44.6		8.9	1	97	271	18			
500	5298	0	-34.0	4.7	1	95	278	11	500	5589	0	-24.8	8.1	0	95	290	10	500	5701	0	-17.3		12.7	1	94	285	8			
700	2876	0	-21.3	4.3	1	88	285	6	700	3058	0	-8.6	10.2	1	63	290	3	700	3099	0	-3.4		10.0	0	29	279	1			
850	1426	0	-15.6	4.3	7	64	281	3	850	1536	0	-5.4	5.4	0	33	94	1	850	1854	*	1518		-1.3		5.6					
947	* 611		-19.3	3.1					920	*	919		-6.5	3.4																
ASIA - CHINA BEIJING 3956N 11617E OB 1																														
030	23700	2	-53.0	10.8	3	95	258	8	030	23791	2	-57.3		4	100	270	4	030	23802	3	-57.4		6	89	256	4				
050	20452	1	-58.3	9.1	1	97	264	11	050	20636	2	-68.2		2	82	272	5	050	20650	2	-68.6		3	100	261	5				
100	16105	0	-59.1	10.0	0	99	271	18	100	16550	0	-70.3		1	90	270	16	100	16644	2	-76.6		2	96	269	11				
150	13552	0	-56.9	9.2	0	98	270	23	150	14090	0	-60.8	10.7	1	98	261	23	150	14243	2	-64.1		2	94	266	16				
200	11728	0	-56.8	8.4	0	97	271	23	200	12261	0	-51.1	13.8	0	98	263	24	200	12430	1	-51.6		9.6	1	95	262	18			
300	9129	0	-48.6	8.5	0	94	274	19	300	9535	0	-35.3	16.0	0	100	273	20	300	9681	0	-31.8		11.9	0	100	264	14			
500	5581	0	-23.1	10.9	0	95	281	12	500	5796	0	-9.7	17.9	0	91	265	4	500	5866	0	-5.7		14.3	0	94	265	9			
700	3038	0	-8.5	10.7	0	91	287	7	656	*3650		9.2	12.0					700	3152	0	7.4		7.2	0	92	260	6			
1020	* 55		0.8	6.3														815	*1892		9.8		1.6							
ASIA - CHINA GUANGZHOU 2308N 11319E OB 1																														
030	23828	10	-57.4		9	33	305	1	030	23798	3	-57.8		3	61	297	4	030	23713	5	-57.1									
050	20678	1	-67.6		3	75	272	2	050	20654	2	-62.6		2	70	280	5	050	20697	5	-63.7									
100	16672	0	-78.1		2	93	266	7	100	16382	0	-67.4		0	79	270	10	100	16323	2	-66.0									
150	14285	0	-64.3		0	92	263	11	150	13928	0	-62.6		0	63	270	12	150	13864	0	-64.1									
200	12470	0	-51.1	9.2	0	92	264	12	200	12113	0	-57.2		0	30	262	7	200	12078	0	-58.7									
300	9711	0	-30.7	11.0	0	95	268	10	300	9463	0	-40.3		0	18	246	4	300	9439	0	-41.1		2	70	280	19				
500	5882	0	-5.2	11.7	0	85	267	6	500	5774	0	-13.2	17.9	0	12	278	2	500	5757	0	-12.8		24.0	0	67	270	11			
700	3167	0	8.3	4.7	0	57	245	2	700	3066	0	3.4	17.0	0	31	334	1	700	3116	0	2.3		19.6	0	48	290	4			
850	1540	0	14.1	2.7	0	50	116	2	850	1528	0	10.0	4.4	0	49	325	6	850	1483	0	10.7		13.5	0	18	330	1			
1018	* 8		18.2	3.0					1012	* 56		19.0	6.0					927	* 773		13.3		9.3							
AFRICA - ALGERIA IN SALAH 2712N 00228E OB 2																														
030	23811	5	-54.8		9	73	270	6	030	23798	9	-64.9		7	99	270	24	100	16631	0	-75.8		1	47	250	11				
050	20619	2	-63.8		5	63	300	5	050	20604	2	-69.0		2	96	95	14	100	14239	0	-67.2		0	46	250	16				
100	16442	0	-68.4		3	96	280	23	100																					

AFRICA-MALI

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps	PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps	PRESSURE	HEIGHT	MISSING DAYS	MEAN °C	DEW POINT °C	MISSING DAYS	STEADINESS %	DIRECTION °	SPEED mps		
mb	gpm								mb	gpm							mb	gpm										
<b>AFRICA - MALI BAMAKO/SENOU 1232N 00757W OB 3</b>																												
030									030								030											
050									050								050											
100	16629	0	-75.4		1	73	240	4	100	16542	5	-64.0		9	87	247	14	100	16600	0	-74.1		9	79	263	7		
150	14239	0	-67.2		0	89	270	8	150	14118	5	-70.2		9	88	244	22	150	14234	0	-67.9		9	89	241	13		
200	12452	0	-34.0		0	82	270	7	200	12338	5	-66.5		9	87	237	22	200	12492	0	-54.8		8	89	258	21		
300	9719	0	-31.8	15.4	0	20	350	1	300	9641	5	-35.1	12.0	9	91	227	21	300	9703	0	-32.7	11.2	7	90	250	14		
500	5901	0	-5.2	18.9	0	40	170	1	500	5875	4	-9.0	12.4	9	95	233	13	500	5899	0	-6.3	14.5	4	59	229	4		
700	3187	0	9.4	4.3	0	80	80	2	700	3189	4	7.7	12.2	9	56	228	6	700	3191	0	9.6	13.3	3	72	94	5		
850	1541	0	22.6	21.0	0	67	80	2	850	1553	4	19.9	21.0	9	8	113	1	850	1543	0	22.1	20.0	3	75	88	5		
970	* 381	27.8	16.3						1016	*	3	22.4	5.0					1010	*	24	26.0	6.7						
<b>AFRICA - UNITED KINGDOM (OCEAN IS.) ST. HELENA IS. 1556S 00540W OB 2</b>																												
030	23825	7	-57.5		5	94	82	10	030	23677	14	-51.6					030											
050	20649	2	-65.0		0	98	86	13	050	20701	13	-61.1					050											
100	16586	0	-75.5		0	73	337	6	100	16617	12	-77.6					100											
150	14182	0	-65.5		0	83	287	14	150	14232	11	-66.4					150	14318	13	-64.1								
200	12393	0	-55.0		0	79	293	15	200	12441	11	-54.7					200	12502	11	-50.9								
300	9682	0	-33.6	22.3	0	72	291	8	300	9717	11	-32.4					300	9729	11	-28.8	8.9							
500	5885	0	-6.1	28.1	0	39	131	2	500	5901	11	-4.7					500	5876	9	-3.9	7.1	9	52	108	3			
700	3182	0	9.8	14.3	0	62	81	3	700	3131	11	9.6	13.7				700	3141	9	10.7	6.5							
850	1539	0	20.0	22.8	0	93	100	9	850	1475	11	17.1	8.7				850	1493	8	18.1	2.0	9	38	246	2			
968	* 436	18.7	3.7						1005	*	79	24.0	4.0				1007	*	2	26.3	1.4							
<b>AFRICA - FRANCE (OCEAN ISLANDS) MARTIN DE VIVIES(ILE AMST.) 3748S 07732E OB 2</b>																												
030	24110	26	-51.6						030	23677	14	-51.6					030											
050	20808	4	-56.6						050	20701	13	-61.1					050											
100	16444	1	-58.3						100	16091	2	-51.6		2			100	16572	0	-62.6								
150	13870	1	-54.5		8	92	268	19	150	13463	2	-51.6		2		150	14049	0	-57.9	6.8								
200	12026	1	-54.2		7	86	261	20	200	11603	2	-53.3		2		200	12216	0	-53.2	8.0								
300	9368	0	-41.2	11.8	5	63	261	13	300	8971	2	-45.7		2		300	9520	0	-37.2	9.0	7	93	255	29				
500	5710	0	-15.4	13.9	2	81	278	16	500	5405	2	-23.2	9.3	2		500	5796	0	-11.3	14.0	0	87	255	14				
700	3091	0	-0.6	14.7	1	84	275	12	700	2866	2	-8.6	10.3	2		700	3129	0	5.1	16.2	1	71	260	5				
850	1521	0	5.0	6.0	0	78	284	8	850	1342	3	-2.6	6.7	3		850	1520	0	12.2	14.7								
1016	* 29	14.7	5.3						1001	*	30	7.5	7.1				1000	*	141	23.4	13.7							
<b>AFRICA - SUDAN KHARTOUM 1536N 03233E OB 2</b>																												
030									030								030											
050									050								050											
100	16663	17	-75.5		6	42	257	6	100	16602	0	-78.5		0	17	30	1	100	16671	0	-78.3		0	100	80	6		
150	14260	11	-65.8		5	80	267	12	150	14225	0	-66.5		0	60	265	6	150	14279	0	-65.1		0	100	185	9		
200	12463	15	-52.6		4	76	355	11	200	12427	0	-51.2	23.3	0	55	355	6	200	12465	0	-51.9	14.8	0	11	150	1		
300	9717	7	-30.8	21.3	4	52	340	6	300	9692	0	-30.8	31.5	0	43	325	3	300	9710	0	-33.3	18.8	0	29	120	1		
500	5898	2	-8.7	20.4	3	13	90	1	500	5883	0	-5.1	37.4	0	67	20	4	500	5875	0	-4.3	24.3	0	75	90	2		
700	3175	2	12.2	14.7	2	90	270	4	700	3167	0	10.6	13.5	0	33	345	1	700	3151	0	12.2	2.4	0	67	100	1		
850	1513	2	24.2	17.9	1	12	343	3	773	*2325	2	22.6	16.6					766	*2324	2	22.6	8.8						
969	* 380	-14.5	22.2																									
<b>AFRICA - KENYA NAIROBI/DAGORETTI 0118S 03645E OB 1</b>																												
030									030								030											
050	20563	12	-67.5		9	77	275	9	050								050	20664	5	-63.9								
100	16558	4	-80.3		9	34	240	3	100								100	16621	3	-79.8		1	23	262	2			
150	14199	3	-66.5		5	67	290	7	150								150	14246	3	-64.9		0	27	219	3			
200	12403	1	-52.9		2	55	295	5	200								200	12436	3	-52.0		0	45	83	5			
300	9660	0	-31.3	14.1	0	15	95	1	300								300	9689	3	-31.1	21.8	0	56	63	3			
500	5845	0	-6.1	9.4	0	75	80	4	500								500	5859	3	-5.0	13.0	0	56	95	3			
700	3143	0	8.0	5.3	0	95	70	5	700								700	3139	3	9.9	11.0	0	61	253				

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	
mb	gpm	°C	°C	°C	°C	%	°	mps	mb	gpm	°C	°C	°C	%	°	mps	mb	gpm	°C	°C	°C	%	°	mps		
<b>AFRICA - COTE D'IVOIRE</b> ABIDJAN 0515N 00356W 0B 2																										
030									030	23859	28	-55.5					030									
050									050	20708	10	-65.1					050	20729	15	-64.0						
100	16645	11	-79.0		3	24	260	2	100	16625	6	-75.9					100	16649	14	-74.7						
150	14272	0	-66.4		2	42	290	5	150	14235	3	-66.1					150	14238	10	-64.1						
200	12475	0	-52.9		2	50	310	2	200	12442	3	-53.3					200	12440	1	-53.8	11.4	1	85	227	12	
300	9729	0	-30.5	12.5	1	28	100	2	300	9711	3	-32.2	14.0				300	9715	0	-32.5	12.5	0	59	204	5	
500	5895	0	-4.6	13.4	1	43	80	3	500	5901	1	-5.7	14.5	2	49	260	6	500	5900	0	-5.1	15.0	0	57	50	4
700	3174	0	10.1	7.4	1	47	80	5	700	3186	1	10.8	6.9	2	74	310	5	700	3179	0	10.5	8.1	0	75	69	5
850	1529	0	18.7	2.2	1	49	80	4	850	1522	1	26.2	16.0	2	68	294	5	850	1527	0	20.6	9.5	0	90	54	5
1011	*	8	29.9	4.4					874	*1280	30.0	15.2						856	*1472	20.7	8.8					
<b>AFRICA - ZIMBABWE</b> BULAWAYO (GOETZ OBSY.) 2009S 02837E 0B 2																										
030	23939	14	-55.6						030	20767	3	-63.7					030	20716	11	-63.5						
050	20736	13	-63.1						050	20767	3	-63.7					050	20716	11	-63.5						
100	16640	2	-73.8		2	10	360	1	100	16638	0	-71.3					100	16576	0	-71.3						
150	14222	1	-65.1		2	95	247	11	150	14194	0	-62.9					150	14135	0	-63.7						
200	12426	1	-54.3	11.4	2	87	236	14	200	12394	0	-55.3					200	12345	0	-56.2						
300	9704	1	-32.9	11.3	1	71	235	6	300	9685	0	-33.6	13.5	0	91	249	9	300	9648	0	-34.7	11.1	0	92	265	16
500	5901	0	-6.4	10.9	1	40	180	2	500	5894	0	-7.0	12.1	0	59	259	3	500	5877	0	-8.6	7.2	0	84	253	10
700	3186	0	11.4	11.0	0	50	82	4	700	3184	0	10.4	8.8	0	8	64	1	700	3178	0	9.7	6.1	0	51	272	4
850	1532	0	20.7	9.1	0	89	97	8	850	1542	0	17.7	5.9	0	63	76	3	850	1536	8	15.9	2.3	8	66	89	2
869	*1344		20.7	7.7					881	*1200	18.3	3.6						851	*1500	16.2	2.5					
<b>AFRICA - SOUTH AFRICA</b> UPINGTON 2824S 02116E 0B 1																										
030	23936	1	-56.3		6	96	90	12	030	23920	1	-56.5					10	030								
050	20738	0	-62.4		0	58	124	4	050	20727	1	-63.0					3	050	20724	5	-62.4					
100	16562	0	-70.0		0	98	278	14	100	16548	1	-69.1					16	100	16527	0	-67.5					
150	14108	0	-63.0		0	97	274	28	150	14086	1	-62.4					28	150	14056	0	-62.2					
200	12312	0	-56.2		0	95	277	29	200	12291	1	-57.0					30	200	12262	0	-57.5					
300	9623	0	-35.5	12.0	0	93	280	22	300	9606	1	-36.1	11.5	1	95	273	23	300	9582	0	-36.3	7.6	0	90	273	21
500	5864	0	-8.4	15.7	0	97	283	16	500	5857	1	-9.3	12.6	1	93	274	16	500	5836	0	-9.8	9.3	0	89	267	13
700	3162	0	10.5	16.3	0	73	277	8	700	3164	1	9.4	12.9	1	86	296	8	700	3152	0	7.7	6.4	0	84	300	7
850	1515	0	20.8	20.4	0	15	230	1	850	1524	1	16.8	8.2	1	53	360	2	850	1527	0	14.2	3.2	0	44	355	3
919	*	800	21.9	16.5					867	*1400	15.7	5.2						1015	*	20.4	2.5					
<b>AFRICA - SOUTH AFRICA</b> CAPE TOWN (D.F. MALAN) 3359S 01836E 0B 1																										
030	23936	6	-55.7		7	38	88	4	030	23959	6	-55.6					4	030								
050	20726	2	-60.4		2	52	263	5	050	20747	2	-60.5					3	050	20715	8	-56.4					
100	16460	1	-63.8		1	97	285	26	100	16478	0	-63.7					22	100	16318	2	-56.9					
150	13950	1	-59.5		1	97	285	39	150	13970	0	-59.8					31	150	13739	1	-55.1					
200	12138	1	-56.3		1	96	286	41	200	12165	0	-56.8					34	200	11909	1	-55.0					
300	9470	1	-38.5	12.7	1	94	288	36	300	9498	0	-38.6	9.1	0	97	289	30	300	9267	0	-43.6	12.5	0	77	269	22
500	5761	1	-11.7	18.9	1	93	292	23	500	5784	0	-11.3	16.6	0	97	287	21	500	5641	0	-17.4	14.7	0	75	264	15
700	3103	1	4.2	22.3	1	89	289	11	700	3124	0	4.7	15.2	0	87	298	10	700	3045	0	-2.5	16.6	0	75	268	11
850	1505	1	10.4	14.5	1	43	291	3	850	1520	0	10.8	6.8	0	27	343	2	850	1485	0	3.5	7.9	0	57	254	6
1011	*	14.6	3.2						1010	*	16.0	4.2						1012	*	9.3	2.3					
<b>AFRICA - SOUTH AFRICA</b> MARION ISLAND 4653S 03752E 0B 1																										
030	23573	15	-51.3						030	23573	13	-49.9						4	030							
050	20257	13	-49.9						050	20257	13	-49.9						2	050	20275	9	-49.8				
100	16117	0	-54.3		0	91	279	31	100	15705	5	-49.8					22	100	15744	3	-49.5					
150	13515	0	-53.4		0	93	277	40	150	13052	3	-50.0					10	150	13091	1	-49.6					
200	11666	0	-53.8		0	89	278	42	200	11171	2	-51.1					8	200	11211	1	-51.1					
300	9028	0	-45.5	21.8	0	85	278	39	300	8568	1	-56.1					7	300	8600	1	-54.5					
500	5460	0	-22.4	21.2	0	86	279	27	500	5201	0	-37.6	7.6	1	3	177	0	50								

N AMER-USA

## UPPER AIR

NOVEMBER 1987

N AMER-USA

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND		
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEN POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps
N AMERICA - USA MEDFORD/MDFRD-JCSN CO., OR. 4222N 12252W OB 2								N AMERICA - USA ST. CLOUD/WHITNEY, MN. 4533N 09404W OB 2							N AMERICA - USA INT. FALLS/FALLS INT., MN. 4834N 09323W OB 2								
030 23589 7 -56.5								030 23601 5 -57.0							030 23548 8 -54.3								
050 20548 6 -60.6								050 20477 2 -59.8							050 20446 5 -58.5								
100 16240 3 -60.8					9 74	280	8	100 16145 0 -59.2							100 16078 4 -57.4					6 90	291	12	
150 13704 3 -58.3					9 65	269	11	150 13585 0 -56.2							150 13497 4 -54.8					5 90	286	19	
200 11895 3 -58.3					7 63	277	15	200 11762 0 -57.6							200 11662 3 -56.7					4 80	275	21	
300 9280 2 -45.1					5 56	267	13	300 9162 0 -47.3							300 9064 1 -48.3					2 69	277	20	
500 5665 0 -17.9	7.0	1	59	280	11			500 5585 0 -20.8	8.4	0	68	291	13		500 5519 0 -23.2	7.2	1	73	294	14			
700 3068 0 -2.2	9.1	1	57	248	6			700 3013 0 -5.1	9.0	0	55	302	7		700 2974 0 -8.1	8.2	0	74	300	10			
850 1505 0 4.4	5.9	1	50	201	3			850 1468 0 1.1	7.9	1	37	305	4		850 1446 0 -1.6	8.1	0	55	307	6			
973 * 405 5.2 1.9								980 * 312 0 -0.8	2.3						974 * 361 3.0 2.1								
N AMERICA - USA BISMARCK/MUN., ND. 4646N 10045W OB 2								N AMERICA - USA GREAT FALLS/INT., MT. 4729N 11122W OB 2							N AMERICA - USA SPOKANE/INT., WA. 4738N 11732W OB 2								
030 23462 7 -53.7					8 80	327	7	030 23804 10 -55.4							030 23766 7 -55.9					9 59	45	5	
050 20488 5 -59.0								050 20503 8 -58.2							050 20529 6 -58.0					7 43	338	2	
100 16140 1 -58.4					2 87	288	12	100 16155 4 -58.7							100 16171 3 -58.7					3 86	285	9	
150 13578 0 -56.3					1 85	288	16	150 13594 2 -56.0							150 13615 2 -57.3					3 80	279	13	
200 11755 0 -58.2					2 74	288	15	200 11783 1 -59.0							200 11792 1 -58.2					1 76	282	17	
300 9167 0 -48.0					3 61	284	13	300 9195 1 -47.6							300 9199 0 -47.1					0 69	283	16	
500 5591 0 -20.3	9.4	0	72	302	11			500 5614 1 -20.3	8.6	1	71	280	9		500 5617 0 -20.6	7.2	0	67	265	10			
700 3018 0 -4.9	8.8	0	71	308	8			700 3035 1 -3.4	7.5	1	76	281	7		700 3042 0 -4.5	9.5	0	71	247	7			
850 1470 0 1.7	9.4	1	45	310	4			850 1476 1 -4.3	10.5	2	85	245	8		850 1492 0 2.1	5.2	0	69	218	5			
958 * 506 -1.8 2.3								888 * 1115 1.4 6.6							934 * 721 1.5 0.9								
N AMERICA - USA QUILLAYUTE, WA. 4756N 12433W OB 2								N AMERICA - USA (BERMUDA) BERMUDA NAVAL AS KINDLEY 3222N 06441W OB 2							N AMERICA - BAHAMAS NASSAU AIRPORT 2503N 07728W OB 2								
030 23588 9 -54.9					6 45	307	2	030							030 22059 6 -64.4					6 11	238	1	
050 20533 4 -58.1								050							050 21651 4 -74.3					4 93	262	20	
100 16169 2 -58.1					5 82	266	10	100							100								
150 13602 2 -56.3					6 80	264	15	150 14123 11 -61.1							150 14120 4 -66.8					4 92	265	20	
200 11777 2 -58.1					6 78	266	21	200 12308 11 -53.8							200 11232 4 -54.9					4 93	216	31	
300 9190 1 -46.9					4 67	268	19	300 9596 8 -35.7							300 9624 4 -35.5	14.2	4	90	262	22			
500 5603 0 -20.0	5.2	1	70	257	13			500 5837 6 -9.6							500 5860 2 -8.1	18.1	3	86	182	10			
700 3025 0 -4.6	6.8	2	68	238	9			700 3152 7 -6.5	12.5	7	69	245	9		700 3164 2 -7.2	11.8	3	29	257	2			
850 1474 0 2.5	3.7	1	72	197	8			850 1545 5 10.0	3.1	6	40	231	4		850 1539 2 14.8	7.6	3	44	90	4			
1010 * 62 7.4 1.3								976 * 6 20.6	5.1						1015 * 7 22.9	2.8							
N AMERICA - JAMAICA KINGSTON/NORMAN MANLEY 1756N 07647W OB 2								N AMERICA - COSTA RICA JUAN SANTAMARIA 1000N 08413W OB 2							N AMERICA - PANAMA HOWARD AFB 0859N 07933W OB 2								
030 23824 2 -53.7					2 26	298	5	030							030								
050 20623 2 -65.2					2 59	77	4	050	20976						050								
100 16579 2 -77.4					2 85	264	12	100							100								
150 14206 2 -67.8					2 88	261	18	150							150	14264 13 -67.1							
200 12417 2 -53.6					2 87	256	19	200							200	12472 10 -52.7				9 49	162	4	
300 9683 2 -31.9	18.5	2	66	257	13			300 5859 1 -5.6	1.0						300 9725 7 -30.1					7 38	98	3	
500 5873 2 -5.6	21.1	2	35	268	4			700 3143 1 10.5	6.7	1	65	97	31		500 5883 3 -4.7					3 73	79	3	
700 3154 2 9.5	8.1	2	51	64	4			850 1500 1 18.7	4.3	1	74	89	5		700 3155 3 10.3	6.4	3	79	60	4			
850 1515 2 17.5	3.4	1	75	104	5			909 * 939 19.6	2.4						850 1511 3 18.2	2.1	2	72	23	5			
1011 * 14 26.5	3.9														1002 * 69 24.1	0.5							
N AMERICA - ST. MAARTEN, ST. EUST., SABA JULIANA AIRPORT, ST. MAARTEN 1803N 06307W OB 2								N AMERICA - ST. MARTIN, ST. BARTH., GUAD LE RAIZET, GUADELOUPE 1616N 06131W OB 2							N AMERICA - TRINIDAD AND TOBAGO PIARCO INT. AIRPORT, TRINIDAD 1037N 06121W OB 3								
030 23878 27 -53.2					9 48	40	2	030 23815 7 -54.0							030								
050 20667 27 -63.9					9 73	67	3	050 20629 2 -65.6							050								
100 16620 27 -77.3					9 49	286	6	100 16609 1 -77.5							100								
150 14243 26 -66.3					9 54	288	11	150 14230 1 -65.7							150								
200 12464 25 -54.0					9 31	242	6	200 12428 1 -50.2							200								
300 9739 14 -30.9	13.9	9	23	310	2			300 9683 1 -31.3	14.5	2	15	282	2		300								
500 5908 6 -4.8	14.6	7	30	63	2			500 5869 1 -5.6	12.9	2	27	104	2		500								
700 3185 5 9.3	8.0	5	48	137	3			700 3157 0 8.3	6.8	1	52	108	3		700								
850 1545 5 17.6	4.1	5	75	104	5			850 1527 0 16.4	4.3	0	84	100	6		850								
1014 * 9 28.0	4.3							1013 * 8 24.4	2.0						1010 * 15 25.8	1.2							

N AMER-CURACAO BONAIRE

## UPPER AIR

NOVEMBER 1987

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND													
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	DIRECTION	SPEED											
mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps	mb	gpm		°C	°C	%	o	mps						
<b>N AMERICA - CURACAO AND BONAIRE HATO AIRPORT, CURACAO 1212N 06858W OB 3</b>									<b>S AMERICA - COLOMBIA BOGOTA/ELDORADO 0442N 07408W OB 1</b>									<b>S AMERICA - COLOMBIA GAVIOTAS 0433N 07055W OB 2</b>																			
030	23882	16	-53.2		9	69	266	5	030	20677	9	-62.4		2	19	293	2	030	14149	7	-70.5		6	22	199	2											
050	20668	15	-63.9		9	29	286	1	050	16625	1	-80.4		2	19	293	2	100	12390	5	-56.0																
100	16634	9	-80.0		9	73	286	5	100	14265	0	-65.8		0	27	206	2	150	300	5	-32.5	8.5	5	38	180	2											
150	14267	7	-66.7		7	61	285	6	150	9711	4	-30.4	13.6	4	31	13	3	200	5878	5	-4.8	7.0	0	18	30	1	500	5851	3	-4.5	7.4	3	25	254	1		
200	12462	5	-52.5		5	39	307	4	200	700	3151	1	8.9	1.6	2	70	102	3	700	1511	4	18.8	4.2	4	83	105	6	850	1489	3	19.0	3.4	6	76	82	3	
300	9711	4	-30.4	13.6	4	31	13	3	300	700	3151	1	8.9	1.6	2	70	102	3	700	* 62	27.7	3.4					989	* 167	25.3	1.9							
500	5878	5	-5.0	14.7	5	61	77	4	500	700	3151	1	8.9	1.6	2	70	102	3	700	1511	4	18.8	4.2	4	83	105	6	850	1489	3	19.0	3.4	6	76	82	3	
700	3157	5	10.2	2.4	5	77	100	5	700	700	3151	1	8.9	1.6	2	70	102	3	700	1511	4	18.8	4.2	4	83	105	6	850	1489	3	19.0	3.4	6	76	82	3	
850	1511	4	18.8	4.2	4	83	105	6	753	* 2548		10.9	0.9					753	* 2548		10.9	0.9					989	* 167	25.3	1.9							
1000	*																																				
<b>S AMERICA - FRENCH GUIANA CAYENNE/ROCHAMBEAU 0450N 05222W OB 2</b>									<b>S AMERICA - BRAZIL BELEM (AEROPORTO) 0123S 04829W OB 1</b>									<b>S AMERICA - BRAZIL MANAUS (AEROPORTO) 0309S 05959W OB 2</b>																			
030	23971	3	-55.5		5	84	263	10	030	23976	8	-54.8		7	82	265	7	030	23976	8	-54.8		7	82	265	7	030	23976	8	-54.8		7	82	265	7		
050	20758	1	-64.0		3	92	279	12	050	20758	2	-62.9		2	78	276	7	050	20760	7	-62.0		6	69	264	5	050	20760	7	-62.0		6	69	264	5		
100	16638	1	-80.0		3	92	287	15	100	16715	2	-81.0		0	79	261	8	100	16692	5	-81.3		2	23	163	2	100	16692	5	-81.3		2	23	163	2		
150	14269	1	-65.3		3	81	257	12	150	14330	2	-64.2		0	60	222	6	150	14316	4	-64.7		2	2	176	6	150	14316	4	-64.7		2	2	176	6		
200	12461	0	-51.4		2	99	248	10	200	12510	2	-50.8		0	59	180	6	200	12500	4	-50.6		2	2	160	8	200	12500	4	-50.6		2	2	160	8		
300	9703	0	-30.1	13.1	1	57	260	4	300	9745	2	-30.0	16.9	1	25	103	2	300	9728	4	-29.6	9.2	2	2	140	4	300	9728	4	-29.6	9.2	2	2	140	4		
500	5870	0	-4.6	11.1	0	71	88	4	500	5903	2	-5.3	15.3	0	36	45	2	500	5884	3	-5.1	8.1	1	9	345	1	500	5884	3	-5.1	8.1	1	9	345	1		
700	3149	0	9.8	10.4	0	96	99	9	700	3175	2	10.1	13.6	0	90	98	10	700	3162	3	9.4	6.3	1	77	83	5	700	3162	3	9.4	6.3	1	77	83	5		
850	1511	0	17.6	5.5	0	96	95	9	850	1528	2	18.8	7.6	0	95	93	9	850	1519	3	18.2	3.1	1	94	66	9	850	1519	3	18.2	3.1	1	94	66	9		
1000	*	9	24.0	0.7					1010	*	16	27.1	5.3					1010	*	16	27.1	5.3					1002	*	84	25.8	3.0						
<b>S AMERICA - BRAZIL FERNANDO DE NORONHA 0351S 03225W OB 2</b>									<b>S AMERICA - BRAZIL NATAL 0555S 03515W OB 2</b>									<b>S AMERICA - BRAZIL RECIFE (CURADO) 0803S 03455W OB 2</b>																			
030	23963	15	-54.6		9	78	264	7	030	20671	10	-63.9		9	27	157	2	030	16632	10	-75.0						030	16632	10	-75.0							
050	20753	6	-63.2		6	53	257	5	050	16615	8	-79.7		8	61	219	6	100	16632	10	-75.0						050	16632	10	-75.0							
100	16674	4	-78.2		4	70	257	7	100	16647	5	-73.0		6	65	236	8	100	16672	3	-75.1		4	71	244	8	100	16672	3	-75.1		4	71	244	8		
150	14275	5	-64.5		5	68	255	13	150	14260	1	-77.3		7	54	255	7	150	14250	9	-65.6						150	14250	9	-65.6							
200	12478	4	-52.0		4	41	240	7	200	12467	7	-52.1		7	50	186	7	200	12439	8	-53.1						200	12439	8	-53.1							
300	9733	3	-31.9	18.0	4	13	174	1	300	9719	6	-31.1	19.6	6	13	180	1	300	9688	4	-32.2		9	28	113	3	300	9688	4	-32.2		9	28	113	3		
500	5900	3	-4.1	21.6	3	67	80	4	500	5886	6	-4.8	24.8	6	82	91	5	500	5874	4	-5.5		9	31	123	2	500	5874	4	-5.5		9	31	123	2		
700	3176	3	10.3	14.9	3	89	82	8	700	3163	6	9.5	18.4	6	88	101	7	700	3161	3	9.6	21.7	9	9	58	117	4	700	3161	3	9.6	21.7	9	9	58	117	4
850	1534	3	16.5	5.2	3	95	88	10	850	1522	6	16.0	5.0	6	95	114	10	850	1533	3	16.5	8.3	9	71	111	5	850	1533	3	16.5	8.3	9	71	111	5		
1000	*	56	22.1	3.6					1008	*	3	28.1	7.1					1008	*	3	26.3	3.4					1013	*	7	28.8	6.5						
<b>S AMERICA - BRAZIL BRASILIA (AEROPORTO) 1552S 04756W OB 2</b>									<b>S AMERICA - BRAZIL CARAVELAS 1744S 03915W OB 2</b>									<b>S AMERICA - BRAZIL CAMPO GRANDE (AEROPORTO) 2028S 05440W OB 2</b>																			
030	23983	1	-55.0		1	96	91	12	030	23983	9	-55.0		9	73	115	10	030	24013	11	-53.8		9	94	100	15	030	24013	11	-53.8		9	94	100	15		
050	20786	0	-63.8		0	99	98	14	050	20778	6	-63.1		7	86	106	10	050	20786	6	-63.5		7	88	102	12	050	20786	6	-63.5		7	88	102	12		
100	16697	1	-76.8		0	65	183	6	100	16647	5	-73.0		6	65	236	8	100	16672	3	-75.1		4	71	244	8	100	16672	3	-75.1		4	71	244	8		
150	14300	2	-64.6		1	93	220	14	150	14232																											

S AMER-BRAZIL

## UPPER AIR

NOVEMBER 1987

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT DEPRESSION	MISSING DAYS	STEADINESS	DIRECTION	SPEED
mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps	mb	gpm		°C	°C		%	o	mps
S AMERICA - BRAZIL PORTO ALEGRE (AEROPORTO) 3000S 05111W 0B 2									S AMERICA - ARGENTINA SALTA AERO 2451S 06529W 0B 2									S AMERICA - ARGENTINA RESISTENCIA AERO. 2727S 05903W 0B 2								
030	24000	6	-56.1		9	95	71	11	030									030	23984	8	-58.9		4	78	20	
050	20774	2	-62.0		9	88	72	7	050									050	20748	3	-59.7		5	72	15	
100	16570	1	-66.9		8	91	221	16	100									100	16612	0	-70.6		4	237	16	
150	14121	1	-60.2		5	96	226	25	150									150	14157	0	-62.4		2	260	37	
200	12267	1	-53.7		5	94	236	31	200									200	12345	0	-52.8		7	259	37	
300	9557	1	-36.3	14.1	3	84	239	22	300									300	9618	0	-33.8	13.9	0	88	255	
500	5815	1	-10.0	17.8	1	93	235	14	500	5844	0	-6.1	16.9					500	5842	0	-8.0	16.2	1	72	256	
700	3130	1	6.4	16.4	1	71	244	6	700	3127	0	9.9	6.6	0	51			700	3143	0	8.6	12.2	0	38	269	
850	1510	1	13.8	10.8	1	43	280	3	850	1493	0	16.8	2.8	0	65			850	1507	0	18.0	12.4	0	29	25	
1013	*	3	21.3	6.4					878	*1221		17.9	2.8					1006	*	52	22.5	3.7				
S AMERICA - ARGENTINA CORDOBA AERO 3119S 06413W 0B 2									S AMERICA - ARGENTINA EZEIZA AERO 3449S 05832W 0B 2									S AMERICA - ARGENTINA SANTA ROSA AERO 3634S 06416W 0B 2								
030									030	23992	7	-55.6		3				030	23998	18	-53.6					
050									050	20786	2	-59.0		6				050	20743	10	-59.6		9	289	5	
100									100	16489	0	-62.2		2				100	16441	5	-61.7		9	268	20	
150	14026	3	-59.0		9		51	36	150	13951	0	-56.3		1				150	13899	2	-56.3		2	270	26	
200	12198	3	-52.0		2		275	29	200	12111	0	-54.0		6				200	12060	2	-53.5		0	273	23	
300	9506	3	-37.1	18.4	3	88		273	25	300	9441	0	-39.3	17.3	0	85			300	9391	1	-41.4	15.9	5	77	272
500	5785	3	-10.8	4.9	3	86		267	13	500	5748	0	-12.7	18.7	0	82			500	5716	0	-14.0	14.0	0	86	269
700	3114	3	6.7	11.7	3	52		292	5	700	3099	0	3.5	15.4	0	49			700	3091	0	2.6	9.6	0	36	106
850	1500	3	14.7	10.4	3	19		62	2	850	1498	0	12.1	10.1	0	16			850	1493	0	12.6	6.5	0	30	197
959	*	474	19.0	5.5					1012	*	20	18.6	4.0					992	*	191	16.1	4.4				
S AMERICA - ARGENTINA NEUQUEN AERO 3857S 06808W 0B 2									S AMERICA - ARGENTINA COMANDANTE ESPORA B.A. 3844S 06210W 0B 2									S AMERICA - ARGENTINA COMODORO RIVADAVIA AERO 4547S 06730W 0B 2								
030	24016	7	-54.0		5		284	1	030									030	23965	6	-53.2		3	279	11	
050	20770	5	-57.9		3		262	3	050									050	20699	5	-55.5		2	278	14	
100	16320	3	-58.9		5		276	16	100	16426	13	-58.9		5				100	16273	3	-55.0		6	276	21	
150	13834	3	-58.6		6		272	23	150									150	13671	2	-56.7		3	275	23	
200	12001	2	-54.4		8		275	24	200	12016	9	-54.1		5				200	11969	2	-54.7		9	269	23	
300	9358	2	-42.6	18.7	2	79	274	20	300									300	9186	2	-25.2	17.4	2	74	264	
500	5701	1	-15.4	21.2	1	84	268	14	500									500	5592	1	-19.3	22.6	1	79	276	
700	3081	1	1.1	14.7	2	72	273	8	700									700	3009	1	-3.4	20.3	1	84	260	
850	1494	1	10.9	13.8	1	33	249	32	850	1492	9	11.6	10.8					850	1454	1	7.1	14.3	1	72	269	
983	*	271	15.6	9.4					1005	*	74	17.7	6.3					1005	*	46	14.1	9.8				
ANTARCTICA - ARGENTINA CENTRO MET. ANTARTICO "VICEC." 6414S 05643W 0B 2									ANTARCTICA - SOUTH AFRICA S.A.N.A.E. STATION 7018S 00221W 0B 1									ANTARCTICA - UNITED KINGDOM HALLEY 7530S 02639W 0B 2								
030									030									030	22295	6	-50.4					
050	19647	17	-59.3		1		275	48	050									050	19084	5	-65.1	17.6				
100	15299	5	-61.2		1		273	39	100									100	14959	3	-72.0	16.6				
150	12810	5	-63.0		6		272	33	150	12609	0	-66.4		0	73	284	9	150	12558	3	-69.6	14.3				
200	11035	5	-62.0		8		271	29	200	10862	0	-65.0		0	43	290	5	200	10840	2	-68.8	11.9				
300	8503	5	-55.8		19	19	269	19	300	8357	0	-57.2	9.3	0	27	307	4	300	8369	1	-58.8	9.6				
500	5083	5	-31.4	29.7	5	19		500	4973	0	-35.0	7.0	0	8	38	1	500	4983	1	-34.3	9.4					
700	2619	4	-14.8	11.5	5	21	256	12	700	2552	0	-19.8	6.4					700	2554	1	-19.2	7.5				
850	1125	4	-4.6	16.1	4	18	256	8	850	1089	0	-11.5	5.2	0	69	88	7	850	1088	1	-11.7	6.7				
955	*	198	-0.1	5.2					972	*	0	-10.6	2.8					975	*	32	-9.2	3.4				
ANTARCTICA - JAPAN SYOWA 6900S 03935E 0B 1									ANTARCTICA - FRANCE DUMONT D'URVILLE 6640S 14001E 0B 1									SW PACIFIC - MALAYSIA(PENIN. MALAYSIA) PENANG/BAYAN LEPAS 0518N 10016E 0B 3								
030	22677	3	-45.6		3	88	282	37	030									030	23907	2	-54.5		3	94	278	
050	19335	2	-57.0		2	89	281	31	050	19735	4	-51.2		9	95	277	42	050	20696	1	-62.7		2	92	269	
100	15068	1	-67.7		1	84	279	16	100	15357	1	-58.3		1	96	282	31	100	16637	0	-81.1		0	90	94	
150	12630	0	-67.2		0	57	283	9	150	12818	1	-59.7		0	94	286	25	150	14274	0	-66.0		0	93	87	
200	10895	0	-66.0		0	37	277	7	200	11020	1	-59.8		0	93	287	23	200	12469	0	-51.4		0	95	90	
300	8391	0	-56.5		0	11	326	2	300	8458	0	-54.0		0	82	292	19	300	9706	0	-29.3		7.6	0	87	
500	4983	0	-33.5	9.0	0	28	43	4	500	5027	0	-32.5	8.1	0	57	300	8	500	5868	0	-4.9	3.2	0	22	118	
700	2553	0	-19.3	8.4	0	58	57	6	700	2585	0	-19.3	7.9	0	17	311	2	700	3145	0	9.8	4.1	0	57	297	
850	1087	0	-11.6	6.8	1	92	41	13	850	1128	0	-14.8	8.9	0	85	106	9	850	1505	0	18.3	3.6	0	62	297	
975	*	21	-7.0	4.5					979	*	43	-7.8	8.4					1009	*	4	25.8	1.3				

SW PAC-MALAYSIA

## UPPER AIR

NOVEMBER 1987

SW PAC-FRENCH POLY.

## UPPER AIR

NOVEMBER 1987

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND						
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED				
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps				
SW PACIFIC - FRENCH POLY. (MARQUESAS)	ATUONA	0948S 13902W 0B 1	SW PACIFIC - FRENCH POLY. (SOCIETY IS)	TAHITI-FAAA	1733S 14937W 0B 1	SW PACIFIC - FRENCH POLY. (TUAMOTU IS)	HAO	1804S 14057W 0B 1																						
030 23835	8	-56.0		9	75	71	5	030 23856	13	-56.6		9	95	87	11	030 23859	18	-57.0		9	97	80	13							
050 20650	5	-65.8		7	68	71	4	050 20674	6	-65.2		8	92	89	11	050 20678	7	-65.2		9	95	85	9							
100 16623	2	-79.4		3	92	276	11	100 16594	2	-74.9		3	94	262	18	100 16584	1	-74.7		2	95	273	17							
150 14257	2	-65.9		2	92	279	16	150 14196	0	-64.6		0	94	261	28	150 14182	0	-65.1		0	94	270	31							
200 12455	2	-51.8		2	86	280	14	200 12393	0	-52.8		0	89	255	27	200 12383	0	-53.3		0	87	270	28							
300 9700	1	-30.3	17.6	1	62	271	7	300 9657	0	-32.3	11.0	0	88	261	18	300 9654	0	-32.6	10.4	0	91	273	21							
500 5868	1	-3.7	22.1	1	40	96	2	500 5853	0	-6.0	14.0	0	84	263	8	500 5855	0	-6.2	15.0	0	92	282	11							
700 3138	1	10.9	17.7	1	56	79	3	700 3142	0	8.8	11.8	0	64	252	3	700 3145	0	8.9	9.3	0	67	308	4							
850 1503	1	16.8	4.5	1	78	75	5	850 1510	0	16.6	4.0	0	38	62	2	850 1514	0	16.2	3.9	0	52	50	3							
1004 * 52		30.3	8.0					1011 * 2		29.3	5.6					1012 *		27.8	4.7											
SW PACIFIC - FRENCH POLY. (AUSTRAL IS)	RAPA	2737S 14420W 0B 1	SW PACIFIC - NEW ZEALAND	KAITAIKA	3508S 17316E 0B 1	SW PACIFIC - NEW ZEALAND	INVERCARGILL AERODROME	4625S 16820E 0B 1																						
030 23938	7	-55.8		9	65	89	5	030 24253	7	-48.2		6	92	92	10	030 24615	16	-45.0		6	32	251	4							
050 20733	4	-60.5		9	9	3	217	1	050 20716	3	-54.2		4	54	96	3	050 21362	12	-43.4		4	69	260	9						
100 16470	1	-64.7		9	97	267	21	100 16367	1	-57.9		2	85	280	11	100 16242	6	-52.5		2	81	276	13							
150 13968	0	-59.1		9	96	269	28	150 13788	1	-53.9		1	91	278	18	150 13620	4	-52.1		2	79	282	14							
200 12147	0	-55.3		3	90	273	32	200 11931	1	-52.3		1	87	279	19	200 11764	4	-53.7		2	67	277	13							
300 9471	0	-38.0	10.3	0	91	269	25	300 9282	1	-44.0		1	70	278	15	300 9137	2	-46.0		3	61	290	12							
500 5756	0	-11.7	13.2	0	88	268	14	500 5651	1	-16.7	14.2	2	60	281	8	500 5554	2	-20.2	13.6	2	65	282	11							
700 3101	0	3.8	16.2	0	61	272	5	700 3036	1	-0.3	13.0	1	39	280	4	700 2974	1	-3.8	14.8	2	71	277	9							
850 1504	0	9.9	5.2	0	17	344	2	850 1459	1	7.0	3.5	1	32	276	3	850 1416	1	4.3	9.5	2	70	288	7							
1015 * 2		21.1	5.4					1002 * 87		17.1	3.9					1009 * 1		14.1	7.0											
SW PACIFIC - NEW ZEALAND	CAMPBELL ISLAND	5233S 16909E 0B 1	SW PACIFIC - NEW ZEALAND	CHATHAM ISLAND	4357S 17634W 0B 1	SW PACIFIC - AUSTRALIA	DARWIN AIRPORT	1224S 13052E 0B																						
030 23903	9	-50.0	32.6	9	80	265	19	030 24260	10	-49.0		9	33	230	4	030 23846	4	-55.8		4	86	90	8							
050 20595	6	-51.1	31.0	6	84	268	20	050 21111	5	-49.2		5	53	264	5	050 20662	4	-64.2		4	96	104	10							
100 16096	2	-52.6	26.9	3	89	280	21	100 16299	1	-54.5		1	85	279	11	100 16363	1	-81.0		1	64	95	5							
150 13477	1	-52.6	26.0	1	89	281	22	150 13698	1	-53.2		1	81	283	13	150 14284	0	-66.7		0	3	194	2							
200 11631	1	-55.3	20.3	1	81	286	20	200 11848	1	-54.4		1	65	287	12	200 12484	0	-51.9		0	17	281	1							
300 9015	1	-47.1	14.5	1	67	283	18	300 9225	1	-45.5	14.2	1	51	302	11	300 9724	0	-29.3		0	16	239	1							
500 5450	1	-21.8	15.1	1	73	282	15	500 5619	1	-18.2	15.9	1	46	306	7	500 5885	0	-4.6	13.1	0	46	95	3							
700 2892	1	-5.7	14.6	1	72	285	11	700 3020	1	-2.1	13.7	1	45	315	5	700 3164	0	10.5	7.1	2	84	105	7							
850 1350	1	0.6	7.1	1	71	284	10	850 1457	1	4.3	6.6	1	36	357	4	850 1514	0	20.3	6.8	1	71	80	3							
1002 * 19		8.1	2.7					1008 * 48		13.5	2.8					1007 * 30		28.0	3.3											
SW PACIFIC - AUSTRALIA	GOVE AIRPORT	1216S 13649E 0B	SW PACIFIC - AUSTRALIA	BROOME AIRPORT	1757S 12213E 0B	SW PACIFIC - AUSTRALIA	TOWNSVILLE AIRPORT	1915S 14645E 0B																						
030								030								030														
050 20621	1	-63.2		7	92	106	9	050 20696	5	-61.9		8	98	98	12	050 20720	5	-62.7		3	97	96	12							
100 16587	0	-83.1		5	56	127	5	100 16607	5	-78.8		2	71	274	7	100 16611	1	-76.6		0	91	251	13							
150 14254	0	-67.8		5	24	256	2	150 14242	5	-66.5		2	86	280	14	150 14228	1	-65.3		0	94	254	24							
200 12460	0	-52.5		4	38	265	3	200 12443	5	-52.1		2	90	274	14	200 12420	1	-51.6		0	95	257	27							
300 9706	0	-29.9		3	27	120	1	300 9688	5	-29.7		1	86	276	12	300 9669	0	-31.1		0	87	253	20							
500 5878	0	-4.7	18.9	3	27	120	1	500 5865	5	-6.3	18.2	0	68	295	6	500 5858	0	-5.9	15.3	0	84	249	10							
700 3163	0	9.7	10.7	3	90	116	6	700 3159	5	10.3	11.3	0	76	2	6	700 3156	0	8.2	8.6	0	69	218	6							
850 1516	0	20.1	9.2	1	85	77	5	850 1506	5	22.8	18.8	0	24	284	2	850 1523	0	16.7	4.1	0	26	45	2							
1004 * 54		28.7	5.6					1008 * 9		26.7	5.1					1013 * 6		27.7	6.3											
SW PACIFIC - AUSTRALIA	WILLIS ISLAND	1618S 14959E 0B	SW PACIFIC - AUSTRALIA	CARNARVON AIRPORT	2452S 11340E 0B	SW PACIFIC - AUSTRALIA	PORT HEDLAND AIRPORT	2022S 11837E 0B																						
030								030								030														
050 20700	4	-62.2		3	97	91	12	050 20683	7	-62.3		0	96	104	9	050 20671	2	-62.7		4	97	97	11							
100 16600	0	-78.7		0	84	250	10	100 16529	5	-72.6		0	97	274	20	100 16584	0	-77.9		2	90	278	11							
150 14234	0	-65.8		0	87	257	17	150 14																						

## SW PAC-AUSTRALIA

## UPPER AIR

NOVEMBER 1987

LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND			LEVEL			TEMPERATURE			VECTOR WIND					
PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	DEW POINT	MISSING DAYS	STEADINESS	DIRECTION	SPEED			
mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps	mb	gpm		°C	°C		%	°	mps			
<b>SW PACIFIC - AUSTRALIA</b>																													
<b>ALICE SPRINGS AIRPORT</b>						<b>MT ISA AIRPORT</b>						<b>GILES</b>						<b>SW PACIFIC - AUSTRALIA</b>						<b>PERTH AIRPORT</b>					
2348S 13354E 08						2039S 13929E 08						2502S 12818E 08						3156S 11557E 08						3050S 12806E 08					
030	23876	4	-56.7		5	99	89	16	030	16623	4	-76.0		4	80	261	9	030	14158	1	-63.2				18				
050	20692	1	-63.5		2	96	89	11	050	14230	4	-64.9		1	96	257	25	050	12340	0	-51.9				20				
100	16568	0	-74.6		2	85	264	13	100	12423	4	-51.6		1	95	260	27	100	9607	0	-33.4				20				
150	14163	0	-65.0		2	98	265	32	150	5864	4	-6.9	11.4	2	85	245	9	150	5834	0	-8.7	19.4	90	280	18				
200	12360	0	-52.5		2	97	265	34	200	3150	0	9.4	11.0	0	90	266	8	200	3146	0	9.0	12.1	5	85	285	11			
300	9629	0	-32.9		2	94	266	27	300	850	4	20.7	11.6	0	38	25	4	300	1504	0	20.1	15.7	1	20	290	2			
500	5842	0	-8.1	30.9	0	89	262	12	500	972	* 342	27.9	14.2		972	*	943	599	24.9	18.6									
700	3150	0	9.4	11.0	0	90	266	8	700	1517	4	20.7	11.6	0	23	313	2	700	1504	0	20.1	15.7	1	20	290	2			
850	* 1506	0	19.4	15.5	0	38	25	4	850	972	*	342	27.9	14.2		972	*	943	599	24.9	18.6								
950	* 544		25.8	20.0																									
<b>MOREE</b>						<b>BRISBANE AIRPORT</b>						<b>ESPERANCE</b>						<b>KALGOORLIE AIRPORT</b>						<b>FORREST AIRPORT</b>					
2928S 14951E 08						2726S 15305E 08 1						3349S 12153E 08						3046S 12127E 08						3129S 14549E 08					
030	23949	4	-55.9						030	23914	6	-55.8						030	23967	9	-55.4								
050	20734	3	-60.8						050	20703	2	-61.4						050	20747	5	-59.7								
100	16480	1	-65.3						100	16491	0	-66.7						100	16462	1	-60.3								
150	13990	1	-59.0		8	95	255	29	150	14006	0	-60.2					150	13931	1	-56.8									
200	12150	1	-52.8		1	93	254	37	200	12179	0	-52.6					200	12089	0	-51.0									
300	9460	0	-38.5		1	91	255	27	300	9488	0	-37.4					300	9394	0	-39.2									
500	5750	0	-12.3	13.9	0	86	254	14	500	5764	0	-11.2	12.8	0	85	255	14	500	5713	0	-14.1	16.0	0	83	265	13			
700	3100	0	3.0	6.8	0	54	265	6	700	3104	0	3.7	11.3	1	69	249	7	700	3076	0	2.2	18.0	0	61	259	7			
850	1500	0	12.9	8.9	0	35	298	3	850	1504	0	11.6	6.1	0	24	251	2	850	1490	0	9.2	8.6	1	32	226	3			
989	* 212		21.1	9.5					1013	*	6	23.0	7.0					1013	*	12	14.5	4.9							
<b>WOOMERA AERODROME</b>						<b>ADELAIDE AIRPORT</b>						<b>COBAR</b>						<b>WILLIAMSTOWN AERODROME</b>						<b>MT GAMBIER AIRPORT</b>					
3109S 13648E 08 1						3456S 13831E 08						3129S 14549E 08						3247S 15149E 08						3457S 11748E 08					
030	23981	6	-55.0		9	98	93	13	030	24013	8	-53.8					030	23942	12	-55.5									
050	20757	2	-59.5		5	87	94	7	050	20754	4	-57.4					050	20724	5	-59.6									
100	16489	2	-64.6		3	92	264	16	100	16419	2	-59.7					100	16455	1	-63.9									
150	13985	2	-58.5		2	96	266	34	150	13864	1	-55.1					150	13941	1	-58.2									
200	12147	1	-52.3		1	95	265	42	200	12017	1	-52.2					200	12109	1	-53.1									
300	9456	1	-37.9		0	92	264	35	300	9356	0	-41.7					300	9434	1	-39.6									
500	5749	0	-12.6	13.6	0	90	267	18	500	5691	0	-15.0	12.5	0	84	267	15	500	5742	1	-12.8	16.1	3	82	257	14			
700	3097	0	4.0	14.8	0	67	271	9	700	3065	0	1.2	14.2	0	74	272	10	700	3094	0	3.2	12.7	1	57	255	6			
850	1495	0	12.9	14.9	0	38	303	4	850	1479	0	9.6	11.5	1	58	275	6	850	1493	0	12.4	10.9	1	27	331	3			
994	* 167		19.9	13.7					1013	*	4	17.7	7.9					982	* 265		21.7	14.1							
<b>SW PACIFIC - AUSTRALIA</b>						<b>ALBANY AIRPORT</b>						<b>MT GAMBIER AIRPORT</b>						<b>SW PAC-AUSTRALIA</b>						<b>SW PAC-AUSTRALIA</b>					
030	23961	2	-55.0						030	23952	2	-58.5						030	24006	5	-53.2								
050	20747	9	-57.6		3	85	103	5	050	20725	2	-58.5					050	20734	3	-56.1									
100	16417	0	-61.4		3	93	248	15	100	16395	2	-60.2					100	16367	0	-57.8									
150	13872	0	-56.3		1	95	255	27	150	13840	2	-55.1					150	13785	0	-53.5									
200	12033	0	-53.6		0	93	252	32	200	11987	2	-52.1					200	11931	0	-53.1									
300	9378	0	-41.2		0	84	250	22	300	9319	2	-41.6					300	9283	0	-42.9									
500	5708	0	-14.5	13.2	1	76	254	10	500	5663	2	-15.3	18.3	0	70	268	13	500	5643	0	-16.4	11.3	0	79	268	16			
700	3079	0	1.7	15.4	0	64	248	6	700	3043	2	-0.7	14.3	0	64	259	8</td												

SW PAC-AUSTRALIA

## UPPER AIR

NOVEMBER 1987

SW PAC-AUSTRALIA

## UPPER AIR LATE REPORTS

## SW PAC-AUSTRALIA

## UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND							
PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	Direction	SPEED	PRESSURE	HEIGHT	MISSING DAYS	MEAN	Dew Point	MISSING DAYS	STEADINESS	Direction	SPEED		
mb	gpm		°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps	mb	gpm	°C	°C	%	°	mps
<b>SW PACIFIC - AUSTRALIA</b> WOOMERA AERODROME NOV 1986 3109S 13648E OB 1																												
030	23874	15	-55.3		9	99	83	10	030	24014	8	-52.9		9	95	86	11	030	20654	8	-59.6		8	95	90	7		
050	20662	5	-60.3		9	98	85	8	050	20742	0	-56.9		1	88	86	6	050	16397	2	-64.6		4	91	261	13		
100	16424	3	-65.8		9	88	264	13	100	16417	0	-61.3		1	90	266	14	100	13895	2	-58.7		2	91	267	22		
150	13931	3	-59.7		9	91	267	22	150	13876	0	-56.3		1	93	266	22	150	12072	2	-55.1		1	90	258	25		
200	12114	2	-55.6		9	92	265	25	200	12036	0	-54.6		1	92	262	25	200	9423	2	-41.3		0	83	253	18		
300	9462	2	-40.6		8	84	256	21	300	9395	0	-42.3		1	78	259	18	300	5746	2	-14.1	13.3	0	76	244	11		
500	5778	1	-13.5	13.1	7	85	251	14	500	5735	0	-14.8	15.0	0	74	257	11	500	3108	2	3.3	14.9	1	51	232	5		
700	3131	1	4.7	16.1	5	67	238	7	700	3103	0	2.6	20.5	0	68	255	7	700	1507	2	12.0	11.6	2	11	253	1		
850	1521	1	14.4	16.5	6	15	258	1	850	1510	0	10.6	18.4	0	43	282	4	850	984	*	265	20.9	12.8					
996	* 167		20.5	14.8				1017	*	4		17.6	10.8															
<b>SW PACIFIC - AUSTRALIA</b> WILLIAMSTOWN AERODROME NOV 1986 3247S 15149E OB 1																												
030	23878	20	-55.4		9	71	88	4	030	20661	5	-59.1		9	71	88	4	030	23966	17	-53.4		9	97	85	12		
050	20650	8	-58.9		9	97	82	7	050	20611	5	-59.1		2	96	271	17	050	20693	3	-56.3		3	78	85	5		
100	16380	2	-63.7		2	94	261	13	100	16360	0	-62.7		0	96	268	26	100	16343	1	-60.0		0	89	267	12		
150	13858	0	-57.4		0	93	267	21	150	13835	0	-57.2		0	96	268	29	150	13792	1	-55.7		0	89	265	19		
200	12026	0	-55.0		0	86	273	22	200	12000	0	-54.0		0	96	268	29	200	11955	1	-55.7		0	87	261	21		
300	9377	0	-41.6		0	80	267	15	300	9350	0	-42.1		0	86	277	21	300	9329	0	-43.3		0	76	261	17		
500	5715	0	-15.0	12.5	0	67	251	9	500	5695	0	-15.2	16.1	0	87	277	16	500	5691	0	-16.4	13.1	1	75	270	12		
700	3088	0	1.4	13.3	0	56	244	5	700	3068	0	1.6	17.3	0	76	279	11	700	3076	0	1.0	19.4	0	66	261	8		
850	1501	0	9.1	6.7	0	19	249	2	850	1489	0	6.8	7.3	1	44	267	4	850	1494	0	7.0	12.5	0	44	265	5		
1015	* 11		19.0	4.7				1008	*	69		12.2	1.7					1009	*	69		13.6	5.8					
<b>SW PACIFIC - AUSTRALIA</b> LAVERTON AERODROME NOV 1986 3751S 14444E OB 1																												
030	23878	20	-55.4		9	69	85	4	030	20680	2	-53.4		9	69	85	4	030	20659	12	-58.3		9	87	92	5		
050	20650	2	-53.4		5	84	269	10	050	20611	3	-64.3		4	87	274	12	050	16387	3	-58.7		2	90	284	24		
100	16341	1	-59.7		4	88	262	12	100	16260	1	-56.4		5	84	269	16	100	13883	3	-54.3		1	88	282	26		
150	13787	0	-55.8		1	87	265	19	150	13677	1	-54.2		0	83	269	18	150	12055	3	-54.3		1	88	276	20		
200	11951	0	-55.5		1	84	258	19	200	11834	1	-56.3		0	76	271	18	200	9394	3	-40.8		1	82	268	10		
300	9323	0	-43.4		0	70	261	15	300	9213	1	-45.2		0	64	274	17	300	5719	3	-13.8	12.1	1	71	268	10		
500	5688	0	-16.9	13.4	0	69	256	11	500	5612	1	-19.0	10.5	0	72	265	14	500	3081	3	2.3	12.8	1	40	246	4		
700	3073	0	0.4	14.9	0	58	251	7	700	3023	1	-2.7	14.1	0	69	258	9	700	1494	3	8.4	5.7	0	16	217	1		
850	1495	0	6.5	7.5	2	38	234	3	850	1464	1	4.0	6.7	0	67	256	7	850	1010	*	46	20.1	6.1					
1015	* 14		14.6	5.6				1015	*	3		13.3	6.7															
<b>SW PACIFIC - AUSTRALIA (ADDITIONAL IS.)</b> NORFOLK ISLAND AIRPORT NOV 1986 2902S 16756E OB 1																												
030	24106	16	-43.7		9	72	35	6	030	20705	7	-45.5		6	59	341	5	030	23721	20	-57.1		7	94	92	7		
050	20653	18	-59.8		9	83	89	5	050	20764	0	-59.2		8	14	22	3	050	20536	2	-64.8		4	55	80	4		
100	16414	11	-66.6		2	93	273	17	100	16109	3	-47.7		4	87	290	14	100	16515	2	-82.1		2	37	23	4		
150	13940	10	-60.7		1	96	279	35	150	13438	3	-48.1		3	86	285	20	150	14179	2	-68.5		2	62	31	5		
200	12129	8	-55.1		0	92	279	36	200	11550	2	-49.0		2	83	279	23	200	12399	2	-54.4		2	41	63	22		
300	9464	3	-38.2		0	84	279	23	300	8885	0	-47.1		1	79	282	28	300	9668	2	-31.7		2	41	63	22		
500	5754	0	-11.8	15.4	0	81	272	11	500	5347	0	-24.8	9.1	0	82	281	20	500	5851	0	-5.6	17.5	0	41	121	22		
700	3096	0	4.0	17.6	0	54	273	5	700	2824	0	-9.7	9.3	0	81	284	15	700	3138	0	9.1	18.2	0	43	93	3		
850	1499	0	9.6	5.1	0	21	291	2	850	1304	0	-2.7	3.9	1	82	284	13	850	1511	0	14.9	2.4	1	78	103	5		
1002	* 109		19.8	4.5				999	*	6		5.7	3.0					1012	*	3		25.3	4.0					
<b>S AMERICA - ARGENTINA</b> SALTA AERO SEP 1987 2451S 06529W OB 2																												
030	23989	3	-55.5		9	16	350	4	030	20764	0	-59.2		8	14	22	3	030	23859	19	-56.7		9	92	239	12		
050	20725	7	-59.6		8	54	256	9	050	20601	0	-65.8		9	83	250	24	050	20671	4	-59.1		9	90	269	23		
100																												

S AMER-ARGENTINA

## UPPER AIR LATE REPORTS

LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND			LEVEL		TEMPERATURE			VECTOR WIND					
PRESSURE mb	HEIGHT gpm	MISSING MEAN °C	MISSING DEW POINT °C	MISSING DEPRESSION	MISSING STEADINESS %	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING MEAN °C	MISSING DEW POINT °C	MISSING DEPRESSION	MISSING STEADINESS %	DIRECTION °	SPEED mps	PRESSURE mb	HEIGHT gpm	MISSING MEAN °C	MISSING DEW POINT °C	MISSING DEPRESSION	MISSING STEADINESS %	DIRECTION °	SPEED mps			
<b>S AMERICA - ARGENTINA</b>																										
<b>MENDOZA AERO</b>																										
<b>SEP 1987 3250S 06847W OB 2</b>																										
030	23910	12	-55.6		9	5	239	**	030	23889	10	-56.5		9	91	271	13	030	23857	15	-55.8		9	60	212	4
050	20683	8	-58.7		9	39	259	5	050	20642	5	-57.7		6	93	261	17	050	20626	6	-57.8		9	78	247	14
100	16367	4	-60.5		9	81	268	20	100	16297	4	-58.7		5	97	265	27	100	16273	2	-57.4		9	94	267	23
150	13817	3	-55.3		9	97	264	32	150	13728	3	-55.0		4	95	263	35	150	13700	2	-54.9		9	95	266	34
200	11973	1	-52.6		9	92	265	34	200	11884	2	-52.2		2	94	268	35	200	11845	2	-52.4		9	90	267	29
300	9319	1	-43.5	15.0	5	79	265	27	300	9253	0	-44.8	16.9	0	89	268	31	300	9218	0	-46.6	13.9	9	90	257	35
500	5694	1	-17.1	16.7	3	83	269	14	500	5653	0	-19.3	17.1	0	92	261	20	500	5633	0	-20.3	15.5	9	88	253	18
700	3082	1	0.0	15.8	4	46	333	3	700	3065	0	-2.6	15.8	0	76	252	8	700	3067	0	-3.6	15.6	5	77	244	8
850	1506	1	7.5	11.3	4	72	169	3	850	1504	0	5.1	14.8	0	52	217	4	850	1505	0	5.9	10.9	4	27	215	3
936	* 704		7.3	7.7				1017	*	20		8.8	3.3					996	*	191		5.5	2.9			
<b>S AMERICA - ARGENTINA</b>																										
<b>NEUQUEN AERO</b>																										
<b>SEP 1987 3857S 06808W OB 2</b>																										
030	23801	2	-56.5		2	96	262	24	030	23796	25	-55.3						030	23577	12	-58.5		9	98	260	42
050	20572	2	-57.9		2	97	263	23	050	20565	19	-59.2						050	20357	8	-58.7		8	98	261	39
100	16199	0	-56.4		0	97	265	27	100	16202	13	-57.2						100	15977	6	-56.6		7	97	262	31
150	13612	0	-53.7		0	96	266	30	150	13624	10	-54.0						150	13395	4	-55.0		5	93	257	25
200	11762	0	-54.1		0	92	266	28	200	11772	10	-53.7						200	11561	3	-56.2		4	83	256	21
300	9151	0	-47.9	17.2	0	86	267	27	300	9162	10	-47.3						300	8979	1	-51.6	17.8	1	66	248	19
500	5597	0	-22.2	17.4	0	81	266	16	500	5598	10	-21.6	14.6	9	83	229	16	500	5479	0	-26.3	15.0	0	68	244	13
700	3043	0	-5.9	14.5	1	79	264	10	700	3037	10	-5.3	16.2	9	63	235	9	700	2965	0	-9.8	15.6	0	66	237	8
850	1492	0	3.3	15.1	1	57	247	6	850	1494	10	3.5	10.7	9	65	235	6	850	1442	0	-0.4	11.5	0	66	235	7
987	* 271		5.3	5.8				1010	*	74		8.5	4.1					1009	*	46		6.3	7.3			

# STATION LIST RECENT DATA

47409	C	ABASHIRI	JAPAN	22550	CT	ARHANGEL'SK	USSR
03091	C	ABERDEEN/DYCE	U KINGDOM	85406	C	ARICA	CHILE
41112	C	ABHA	SAUDI ARABIA	47407	C	ASAHIKAWA	JAPAN
65578	CT	ABIDJAN	COTE D'IVOIRE	38880	CT	ASHABAO	USSR
72266	C	ABILENE, TX.	USA	72315	C	ASHEVILLE/REG., NC	USA
41216	C	ABU DHABI BATEEN AIRPORT	U ARAB EMIRATES	63021	CT	ASMARA	ETHIOPIA
41217	CT	ABU DHABI INT. AIRPORT	U ARAB EMIRATES	62414	C	ASSWAN	EGYPT
62640	C	ABU HAMED	SUDAN	72791	C	ASTORIA/CLATSOP, OR.	USA
62795	C	ABU NA'AMA	SUDAN	34880	C	ASTRAHAN'	USSR
76805	C	ACAPULCO,GRO.	MEXICO	86218	C	ASUNCION/AEROPUERTO	PARAGUAY
17352	CT	ADANA	TURKEY	65376	C	ATAKPAME	TOGO
63450	CT	ADDIS ABABA	ETHIOPIA	62680	C	ATBARA	SUDAN
94672	CT	ADELAIDE AIRPORT	AUSTRALIA	16716	C	ATHENS(HELLINIKON)	GREECE
65585	C	ADIAKE	COTE D'IVOIRE	16714	C	ATHINAI/OBSERVATORY	GREECE
60620	C	ADRAR	ALGERIA	72219	C	ATLANTA/MUN., GA.	USA
76644	C	AEROP. INT. MERIDA,YUC.	MEXICO	72407	C	ATLANTIC CITY, NJ.	USA
87582	C	AEROPARQUE	ARGENTINA	91925	CT	ATUONA	FRENCH POLY.
17190	C	AFYON	TURKEY	93119	C	AUCKLAND AIRPORT	N ZEALAND
61024	C	AGADEZ	NIGER	03322	T	AUGHTON	U KINGDOM
61974	C	AGALEGA	MAURITIUS	72218	C	AUGUSTA/BUSH FIELD, GA.	USA
42261	C	AGRA	INDIA	72254	C	AUSTIN/ROBERT MUELLER., TX.	USA
42647	CT	AHMADABAD	INDIA	84673	C	AYACUCHO	PERU
60560	C	AIN SEFRA	ALGERIA	87642	C	AZUL AERO	ARGENTINA
07761	CT	AJACCIO	FRANCE	08329	C	BADAJOZ	SPAIN
31168	C	AJAN	USSR	71727	C	BAGOTVILLE,QUE.	CANADA
47582	CT	AKITA	JAPAN	98328	C	BAGUIO	PHILIPPINES
42933	C	AKOLA	INDIA	87750	C	BAHIA BLANCA AERO	ARGENTINA
72521	C	AKRON/AKRON-CANTON REG., OH.	USA	41150	C	BAHRAIN MUHARRAQ	BAHRAIN
04063	C	AKUREYRI	ICELAND	71926	CT	BAKER LAKE, N.W.T.	CANADA
48062	C	AKYAB	BURMA	35796	C	BALHAS	USSR
40420	C	AL AHSA	SAUDI ARABIA	96633	C	BALIKPAPAN/SEPINGGAN	INDONESIA
41055	C	AL BAHIA	SAUDI ARABIA	72406	C	BALTIMORE/BALTIMORE-WAS.,MD.	USA
40361	C	AL-JOUF	SAUDI ARABIA	61291	CT	BAMAKO/SENOU	MALI
94802	CT	ALBANY AIRPORT	AUSTRALIA	64660	C	BAMBARI	CENTRAL AFRICAN REP
72518	C	ALBANY/ALBANY CO., NY.	USA	43295	C	BANGALORE	INDIA
06030	C	ALBORG	DENMARK	48455	CT	BANGKOK	THAILAND
72365	C	ALBUQUERQUE/INT., NM.	USA	64650	C	BANGUI	CENTRAL AFRICAN REP
31004	CT	ALDAN	USSR	61701	C	BANJUL/YUNDUM	GAMBIA
83931	C	ALEGRETE	BRAZIL	80419	C	BARCELONA	VENEZUELA
40007	C	ALEPOPO	SYRIAN ARAB REP	08181	C	BARCELONA/AEROPUERTO	SPAIN
71082	CT	ALERT,N.W.T.	CANADA	87765	C	BARILOCHE AERO	ARGENTINA
68406	C	ALEXANDER BAY	SOUTH AFRICA	29838	C	BARNaul	USSR
61997	C	ALFRED FAURE (ILES CROZET)	FRANCE	82571	C	BARRA DO CORDA	BRAZIL
16520	C	ALGHERO	ITALY	80091	C	BARRANCABERMEJA/YARIGUIES	COLOMBIA
08359	C	ALICANTE	SPAIN	80028	C	BARRANQUILLA/ERNESTOCORTISSO	COLOMBIA
94326	CT	ALICE SPRINGS AIRPORT	AUSTRALIA	70026	CT	BARRON/W. POST W. ROGERS,AK.	USA
42475	C	ALLAHABAD/BAMHRAULI	INDIA	70086	CT	BARTER ISLAND, AK.	USA
72517	C	ALLENTOWN/A.-BETHLEHEM-,PA.	USA	98135	C	BASCO	PHILIPPINES
36870	CT	ALMA-ATA	USSR	89057	C	BASE ARTURO PRAT	CHILE
08487	C	ALMERIA/AEROPUERTO	SPAIN	89059	C	BASE BERNARDO O'HIGGINS	CHILE
44277	C	ALTAI	MONGOLIA	91557	CT	BAUERFIELD (EFATE)	Vanuatu
51076	C	ALTAY	CHINA	68728	C	BEAUFORT WEST	SOUTH AFRICA
97724	C	AMBON/PATTIMURA	INDONESIA	60571	CT	BECHAR	ALGERIA
40270	C	AMMAN AIRPORT	JORDAN	72412	C	BECKLEY/RALEIGH CTY. M. I,VA.	USA
97240	C	AMPENAN/SELAPARANG	INDONESIA	54511	CT	BEIJING	CHINA
42071	C	AMRITSAR	INDIA	67297	C	BEIRA	MOZAMBIQUE
89009	CT	AMUNDSEN-SCOTT	USA	60402	C	BEJATA	ALGERIA
25563	CT	ANADYR'	USSR	82191	C	BELEM	BRAZIL
70273	CT	ANCHORAGE/INT., AK.	USA	82193	T	BELEM (AEROPORTO)	BRAZIL
91568	C	ANEITYUM	VANUATU	03917	C	BELFAST/ALDERGROVE AIRPORT	U KINGDOM
04360	CT	ANGMAGSSALIK	DENMARK	43198	C	BELGAUM/SAMBRA	INDIA
17130	CT	ANKARA/CENTRAL	TURKEY	78583	C	BELIZE/INT. AIRPORT	BELIZE
60360	C	ANNABA	ALGERIA	03976	C	BELMULLET	IRELAND
70398	C	ANNETTE ISLAND, AK.	USA	83587	C	BELO HORIZONTE	BRAZIL
84542	C	ANTA (HUARAZ)	PERU	40180	C	BEN-GURION INT. AIRPORT	ISRAEL
17300	C	ANTALYA	TURKEY	60602	C	BENI ABBES	ALGERIA
67083	CT	ANTANANARIVO/IVATO	MADAGASCAR	60518	C	BENI-SAF	ALGERIA
85442	C	ANTOFAGASTA	CHILE	62053	C	BENINA	LIBYAN ARAB JAMAHIRI
98232	C	APARRI	PHILIPPINES	82410	C	BENJAMIN CONSTANT	BRAZIL
80084	C	APARTADO	COLOMBIA	13274	C	BEOGRAD	YUGOSLAVIA
91762	C	APIA	SAMOA	13275	T	BEOGRAD/ZELENO BRDO	YUGOSLAVIA
83096	C	ARACAJU	BRAZIL	64600	C	BERBERATI	CENTRAL AFRICAN REP
48462	C	ARANYAPRATHET	THAILAND	10384	CT	BERLIN-TEMPELHOF	GERMANY, FED REP
40357	C	ARAR	SAUDI ARABIA	78016	T	BERMUDA NAVAL AS KINDLEY	USA
80099	C	ARAUCA/SANTIAGO PEREZ	COLOMBIA	40179	T	BET DAGAN	ISRAEL
44288	C	ARBAIHER	MONGOLIA	70219	CT	BETHEL/BETHEL AIRPORT, AK.	USA

# STATION LIST RECENT DATA

68461	C	BETHLEHEM AIRPORT	SOUTH AFRICA	40858	C	BUSHEHR	IRAN, ISLAMIC REP
42971	CT	BHUBANESWAR	INDIA	16560	CT	CAGLIARI/ELMAS	ITALY
97560	C	BIAK/MOKMER	INDONESIA	94287	C	CAIRNS AIRPORT	AUSTRALIA
12295	C	BIALYSTOK	POLAND	62366	C	CAIRO	EGYPT
71848	CT	BIG TROUT LAKE, ONT.	CANADA	84472	C	CAJAMARCA	PERU
42165	C	BIKANER	INDIA	42807	C	CALCUTTA/ALIPORE	INDIA
72677	C	BILLINGS/LOGAN INT., MT.	USA	42809	T	CALCUTTA/DUM DUM	INDIA
61017	C	BILMA	NIGER	80259	C	CALI/PALMASECA	COLOMBIA
72515	C	BINGHAMTON/BROOME CO., NY.	USA	71925	CT	CAMBRIDGE BAY, N.W.T.	CANADA
96441	T	BINTULU	MALAYSIA	85315	C	CAMIPI	BOLIVIA
64658	C	BIRAO	CENTRAL AFRICAN REP	93944	CT	CAMPBELL ISLAND	N ZEALAND
03534	C	BIRMINGHAM/AIRPORT	U KINGDOM	83611	C	CAMPO GRANDE	BRAZIL
61075	C	BIRNI-N'KONNI	NIGER	83612	T	CAMPO GRANDE (AEROPORTO)	BRAZIL
41084	C	BISHA	SAUDI ARABIA	17112	C	CANAKKALE	TURKEY
60525	C	BISKRA	ALGERIA	84226	C	CANAR	ECUADOR
72764	CT	BISMARCK/MUN., ND.	USA	94926	C	CANBERRA AIRPORT	AUSTRALIA
15085	C	BISTRITA	ROMANIA	72304	C	CAPE HATTERAS, NC.	USA
01028	CT	BJORNOYA	NORWAY	68816	CT	CAPE TOWN (D.F. MALAN)	SOUTH AFRICA
31510	CT	BLAGOVESCIENSK	USSR	80416	C	CARACAS/LA CARLOTA	VENEZUELA
68442	CT	BLOEMFONTEIN (J.B.M. HERTZOG)	SOUTH AFRICA	83498	CT	CARAVELAS	BRAZIL
74492	C	BLUE HILL OBSER. WB., MA.	USA	03715	C	CARDIFF-WALES AIRPORT	U KINGDOM
61881	C	BO	SIERRA LEONE	38687	C	CARDZOU	USSR
82024	C	BOA VISTA	BRAZIL	72712	C	CARIBOU/MUN., ME.	USA
65510	C	BOBO-DIOULASSO	BURKINA FASO	94300	CT	CARNARVON AIRPORT	AUSTRALIA
01152	T	BODO	NORWAY	82765	C	CAROLINA	BRAZIL
01152	C	BODO VI	NORWAY	80022	C	CARTAGENA/CRESPO	COLOMBIA
30554	C	BOGDARIN	USSR	60155	CT	CASABLANCA	MOROCCO
80222	CT	BOGOTA/ELDORADO	COLOMBIA	72569	C	CASPER/NATRONA COUNTY I., WY.	USA
41883	C	BOGRA	BANGLADESH	78714	C	CATACAMAS	HONDURAS
29282	C	BOGUCANY	USSR	87222	C	CATAMARCA AERO.	ARGENTINA
65338	C	BOHICON	BENIN	16460	C	CATANIA/FONTANAROSSA	ITALY
72681	C	BOISE/MUN., ID.	USA	87763	C	CATEDRAL 2000	ARGENTINA
83288	C	BOM JESUS DA LAPA	BRAZIL	81405	CT	CAYENNE/ROCHAMBEAU	FRENCH GUIANA
43057	C	BOMBAY/COLABA	INDIA	94653	C	CEDUNA AIRPORT	AUSTRALIA
43003	T	BOMBAY/SANTACRUZ	INDIA	89056	C	CENTRO MET.ANTARTICO"PDTE.	CHILE
31253	C	BOMNAK	USSR	89055	CT	CENTRO MET.ANTARTICO"VICEC.	ARGENTINA
65545	C	BONDOKOU	COTE D'IVOIRE	87257	C	CERES	ARGENTINA
23884	C	BOR	USSR	84444	C	CHACHAPOYAS	PERU
91930	C	BORA-BORA	FRENCH POLY.	40942	C	CHAKHCHARAN	AFGHANISTAN
07510	CT	BORDEAUX/MERIGNAC	FRANCE	87320	C	CHAMICAL AERO	ARGENTINA
60444	C	BORDJ BOU ARRERIDJ	ALGERIA	48480	C	CHANTHABURI	THAILAND
65516	C	BOROMO	BURKINA FASO	72414	C	CHARLESTON/KANAWHA, WV.	USA
64610	C	BOSSANGOA	CENTRAL AFRICAN REP	72208	C	CHARLESTON/MUN., SC.	USA
64605	C	BOSSEMBELE	CENTRAL AFRICAN REP	94510	C	CHARLEVILLE AIRPORT	AUSTRALIA
72509	C	BOSTON/LOGAN INT., MA.	USA	99030	CT	CHARLIE	OCEAN WEATHER STATION
60515	C	BOU-SAADA	ALGERIA	72314	C	CHARLOTTE/DOUGLAS, NC.	USA
65555	C	BOUAKE	COTE D'IVOIRE	93986	CT	CHATHAM ISLAND	N ZEALAND
64601	C	BOUAR	CENTRAL AFRICAN REP	71717	C	CHATHAM, N.B.	CANADA
61296	C	BOUGOUNI	MALI	72324	C	CHATTANOOGA/LOVELL FIELD, TN.	USA
07255	C	BOURGES	FRANCE	11406	C	CHEB	CZECHOSLOVAKIA
03862	C	BOURNEMOUTH AIRPORT	U KINGDOM	56294	C	CHENGDU	CHINA
83377	C	BRASILIA	BRAZIL	87322	C	CHEPES	ARGENTINA
83378	T	BRASILIA (AEROPORTO)	BRAZIL	07024	C	CHERBOURG	FRANCE
30309	C	BRATSK	USSR	42515	C	CHERRAPUNJI	INDIA
64450	C	BRAZZAVILLE/MAYA-MAYA	CONGO	76750	C	CHETUMAL, Q. ROO	MEXICO
07110	CT	BREST/GUIPAVAS	FRANCE	72564	C	CHEYENNE, WY.	USA
64655	C	BRIA	CENTRAL AFRICAN REP	41768	C	CHHOR	PAKISTAN
16320	CT	BRINDISI	ITALY	48327	CT	CHIANG MAI	THAILAND
94578	CT	BRISBANE AIRPORT	AUSTRALIA	72530	C	CHICAGO/O'HARE, IL.	USA
11723	C	BRNO/TURANY	CZECHOSLOVAKIA	47971	T	CHICHIJIMA	JAPAN
94203	CT	BROOME AIRPORT	AUSTRALIA	84452	C	CHICLAYO	PERU
72250	CT	BROWNSVILLE/INT., TX.	USA	84531	C	CHIMBOTE	PERU
96315	CT	BRUNEI AIRPORT	BRUNEI DARUSSALAM	41978	C	CHITTAGONG (PATENGAI)	BANGLADESH
80094	C	BUCARAMANGA/PALONEGRO	COLOMBIA	60425	C	CHLEF	ALGERIA
15420	T	BUCHAREST/IMH	ROMANIA	44259	C	CHOIBALSAN	MONGOLIA
12843	CT	BUDAPEST/LORINC	HUNGARY	78724	C	CHOLUTECA	HONDURAS
12840	C	BUDAPEST/METEOROLOGIA	HUNGARY	47648	C	CHOSHI	JAPAN
80251	C	BUENAVENTURA/COLPUERTOS	COLOMBIA	93780	C	CHRISTCHURCH AIRPORT	N ZEALAND
87585	C	BUENOS AIRES (OBS. CENTRAL)	ARGENTINA	48517	C	CHUMPHON	THAILAND
72528	C	BUFFALO/GREATER BUFFALO, NY.	USA	47014	C	CHUNG GANG	DPR KOREA
64390	C	BUJUMBURA	BURUNDI	71913	CT	CHURCHILL, MAN.	CANADA
67964	CT	BULAWAYO (GOETZ OBSY.)	ZIMBABWE	38262	C	CIMBAJ	USSR
44239	C	BULGAN	MONGOLIA	72421	C	CINCINNATI/GREATER CIN., OH.	USA
15655	C	BURGAS	BULGARIA	30758	CT	CITA	USSR
72617	C	BURLINGTON/INT., VT.	USA	80444	C	CIUDAD BOLIVAR	VENEZUELA
17116	C	BURSA	TURKEY	15120	CT	CLUJ-NAPOCA	ROMANIA

# STATION LIST RECENT DATA

71090	C	CLYDE, N.W.T.	CANADA	07280	C	DIJON	FRANCE
82425	C	COARI	BRAZIL	65562	C	DIMBOKRO	COTE D'IVOIRE
76741	C	COATZACOALCOS, VER.	MEXICO	61666	C	DIOURBEL	SENEGAL
94711	CT	COBAR	AUSTRALIA	63471	C	DIRE DAWA	ETHIOPIA
85041	C	COBIJA	BOLIVIA	17280	CT	DIYARBAKIR	TURKEY
85223	C	COCHABAMBA	BOLIVIA	64453	C	DJAMBALA	CONGO
43353	T	COCHIN/WILLINGDON	INDIA	60670	C	DJANET	ALGERIA
96996	CT	COCOS ISLAND AIRPORT	ISLANDS	60535	C	DJELFA	ALGERIA
94791	C	COFFS HARBOUR AIRPORT	AUSTRALIA	63125	C	DJIBOUTI	DJIBOUTI
21946	C	COKURDAH	USSR	72451	C	DODGE CITY/MUN., KS.	USA
70316	CT	COLD BAY, AK.	USA	63862	C	DODOMA	U REP TANZANIA
43466	C	COLOMBO	SRI LANKA	41170	C	DOHA INTERNATIONAL AIRPORT	QATAR
86560	C	COLONIA	URUGUAY	62650	C	DONGOLA	SUDAN
76458	C	COLONIA JUAN CARRASCO MAZ.	MEXICO	65501	C	DORI	BURKINA FASO
72310	C	COLUMBIA, SC.	USA	64910	C	DOUALA OBS.	REP CAMEROON
72445	C	COLUMBIA/REGIONAL, MO.	USA	09488	C	DRESDEN-KLOTZSCHE	GERMAN DEM REP
72428	C	COLUMBUS/PORT COLUMBUS, OH.	USA	03969	C	DUBLIN AIRPORT	IRELAND
87748	T	COMANDANTE ESPORA B.A.	ARGENTINA	52836	C	DULAN	CHINA
87860	CT	COMODORO RIVADAVIA AERO	ARGENTINA	72745	C	DULUTH/INT., MN.	USA
82861	C	CONCEICAO DO ARAGUAIA	BRAZIL	42599	C	DUMKA	INDIA
85196	C	CONCEPCION	BOLIVIA	89642	CT	DUMONT D'URVILLE	FRANCE
86134	C	CONCEPCION	PARAGUAY	68588	CT	DURBAN (LOUIS BOTHA)	SOUTH AFRICA
72605	C	CONCORD/MUN., NH.	USA	42731	C	DWARKA	INDIA
87395	C	CONCORDIA AERO	ARGENTINA	67005	C	DZAOUDZI/PAMANZI (MAYOTTE)	FRANCE
72458	C	CONCORDIA/BLOSSER MUN., KS.	USA	24143	C	DZARDZAN	USSR
15480	T	CONSTANTA	ROMANIA	68858	C	EAST LONDON	SOUTH AFRICA
60419	C	CONSTANTINE	ALGERIA	94907	C	EAST SALE AERODROME	AUSTRALIA
71938	C	COPPERMINE, N.W.T.	CANADA	03160	C	EDINBURGH AIRPORT	U KINGDOM
71915	CT	CORAL HARBOUR, N.W.T.	CANADA	17050	C	EDIRNE	TURKEY
87344	CT	CORDOBA AERO	ARGENTINA	71119	T	EDMONTON (STONY PLAIN), ALTA	CANADA
03955	C	CORK AIRPORT	IRELAND	71879	C	EDMONTON MUNICIPAL ALTA.	CANADA
72251	C	CORPUS CHRISTI/INT., TX.	USA	04220	CT	EGEDESMINDE	DENMARK
87166	C	CORRIENTES AERO.	ARGENTINA	40199	C	EILAT	ISRAEL
83552	C	CORUMBA	BRAZIL	60540	C	EL KHEITER	ALGERIA
65344	C	COTONOU	BENIN	62771	C	EL OBEID	SUDAN
41992	C	COX'S BAZAR	BANGLADESH	60559	C	EL OUED	ALGERIA
03774	T	CRAWLEY	U KINGDOM	72270	C	EL PASO/INT., TX.	USA
82704	C	CRUZEIRO DO SUL	BRAZIL	86585	C	EL PRADO	URUGUAY
80097	C	CUCUTA/CAMILO DAZA	COLOMBIA	84179	C	EL PUJO	ECUADOR
83361	C	CUIABA	BRAZIL	60367	C	EL-KALA	ALGERIA
83842	C	CURITIBA	BRAZIL	60550	C	ELBAYADH	ALGERIA
83840	T	CURITIBA (AEROPORTO)	BRAZIL	12160	C	ELBLAG	POLAND
84686	C	CUZCO	PERU	63686	C	ELDORET	KENYA
43150	T	CWC VISHAKHAPATNAM/WALTAIR	INDIA	72486	C	ELY/YELLAND, NV.	USA
48855	T	DA NANG	VIET NAM	10203	C	EMDEN-HAFEN	GERMANY, FED REP
98325	C	DAGUPAN	PHILIPPINES	86297	C	ENCARNACION	PARAGUAY
61641	CT	DAKAR/YOFF	SENEGAL	29263	C	ENISEJSK	USSR
62432	C	DAKHLA	EGYPT	24817	C	ERBOGACEN	USSR
41712	C	DAL BANDIN	PAKISTAN	53068	C	ERENHOT	CHINA
44373	C	DALANZADGAD	MONGOLIA	09554	C	ERFURT-BINDERSLEBEN	GERMAN DEM REP
72259	C	DALLAS-FORT WORTH/FORT., TX.	USA	17092	C	ERZINCAN	TURKEY
65560	C	DALOA	COTE D'IVOIRE	03162	C	ESKDALEMUIR	U KINGDOM
42587	C	DALTONGANJ	INDIA	94638	CT	ESPERANCE	AUSTRALIA
40080	T	DAMASCUS NEW INT. AIRPORT	SYRIAN ARAB REP	88963	C	ESPERANZA B.E.	ARGENTINA
62805	C	DAMAZINE	SUDAN	87803	C	ESQUEL AERO	ARGENTINA
04320	CT	DANMARKSHAVN	DENMARK	24105	C	ESSEJ	USSR
65351	C	DAPAON	TOGO	10410	CT	ESSEN	GERMANY, FED REP
63894	CT	DAR ES SALAAM AIRPORT	U REP TANZANIA	72594	C	EUREKA, CA.	USA
60390	CT	DAR-EL-BEIDA	ALGERIA	71917	CT	EUREKA, N.W.T.	CANADA
42391	C	DARBHANGA	INDIA	72432	C	EVANSVILLE/REG., IN.	USA
42295	C	DARJEELING	INDIA	87576	CT	EZEIZA AERO	ARGENTINA
61891	C	DARU	SIERRA LEONE	65507	C	FADA N'GOURMA	BURKINA FASO
94120	CT	DARWIN AIRPORT	AUSTRALIA	70261	C	FAIRBANKS/INT., AK.	USA
72429	C	DAYTON/JAMES M. COX DAY., OH.	USA	16191	C	FALCONARA	ITALY
06260	CT	DE BILT	NETHERLANDS	72753	C	FARGO/HECTOR FIELD, ND.	USA
12882	C	DEBRECEN	HUNGARY	82400	T	FERNANDO DE NORONHA	BRAZIL
97230	C	DENPASAR/NGURAH-RAI	INDONESIA	09578	C	FICHTELBERG	GERMAN DEM REP
72469	C	DENVER/STAPLETON INT., CO.	USA	72637	C	FLINT/BISHOP, MI.	USA
41624	C	DERA ISMAIL KHAN	PAKISTAN	82678	C	FLORIANO	BRAZIL
72546	C	DES MOINES/MUN., IA.	USA	83897	C	FLORIANOPOLIS	BRAZIL
72537	C	DETROIT/METROPOLITAN, MI.	USA	87162	C	FORMOSA AERO	ARGENTINA
40416	CT	DHAHRAN	SAUDI ARABIA	94646	CT	FORREST AIRPORT	AUSTRALIA
41923	C	DHAKA	BANGLADESH	71945	CT	FORT NELSON, B.C.	CANADA
42314	C	DIBRUGARH/MOHANBARI	INDIA	38001	C	FORT SEVCENKO	USSR
61967	T	DIEGO GARCIA	USA	71934	CT	FORT SMITH, N.W.T.	CANADA
67009	C	DIEGO-SUAREZ	MADAGASCAR	72344	C	FORT SMITH/MUN., AR.	USA

# STATION LIST RECENT DATA

72533	C	FORT WAYNE/MUN.,BAER FL.,IN. USA		50527	CT	HAILAR	CHINA
82397	C	FORTALEZA	BRAZIL	71081	CT	HALL BEACH,N.W.T.	CANADA
72389	C	FRESNO/AIR TERM.,CA.	USA	89022	CT	HALLEY	U KINGDOM
71909	CT	FROBISHER BAY,N.W.T.	CANADA	94212	C	HALLS CREEK AIRPORT	AUSTRALIA
47807	CT	FUKUOKA	JAPAN	43497	C	HAMBANTOTA	SRI LANKA
91643	CT	FUNAFUTI	N ZEALAND	10147	C	HAMBURG-FUHLSBUETTEL	GERMANY, FED REP
08522	CT	FUNCHAL	MADEIRA	52203	C	HAMI	CHINA
65557	C	GAGNOA	COTE D'IVOIRE	10338	CT	HANNOVER	GERMANY, FED REP
83746	T	GALEAO	BRAZIL	23933	CT	HANTY-MANSIJSK	USSR
72242	C	GALVESTON, TX.	USA	91944	CT	HAO	FRENCH POLY.
71803	C	GANDER INT.AIRPORT, NFLD.	CANADA	02196	C	HAPARANDA	SWEDEN
57993	C	GANZHOU	CHINA	34300	CT	HAR'KOV	USSR
61226	C	GAO	MALI	67774	T	HARARE (BELVEDERE)	ZIMBABWE
65522	C	GAOUA	BURKINA FASO	67775	C	HARARE (KUTSAGA OBSY.)	ZIMBABWE
63723	C	GARISSA	KENYA	02361	C	HARNOSAND	SWEDEN
40405	C	GASSIM	SAUDI ARABIA	72508	C	HARTFORD/BRADLEY INT., CT	USA
42410	CT	GAUHATI	INDIA	60581	C	HASSI-MESSAOUD	ALGERIA
80241	CT	GAVIOTAS	COLOMBIA	20891	CT	HATANGA	USSR
61099	C	GAYA	NIGER	78988	CT	HATO AIRPORT,CURACAO	CURACAO BONAIRE
62752	C	GEDAREF	SUDAN	72772	C	HELENA/COUNTY-CITY, MT.	USA
10628	C	GEISENHEIM	GERMANY, FED REP	02974	C	HELSINKI-VANTAA	FINLAND
87619	C	GENERAL ACHA	ARGENTINA	62378	CT	HELWAN	EGYPT
89034	C	GENERAL BELGRANO II B.E.	ARGENTINA	16754	C	HERAKLION	GREECE
87532	C	GENERAL PICO AERO	ARGENTINA	40938	C	HERAT	AFGHANISTAN
89066	C	GENERAL SAN MARTIN B.E.	ARGENTINA	91945	C	HEREHERETUE	FRENCH POLY.
06700	C	GENEVE-COINTRIN	SWITZ. LIECH.	91753	C	HIHIFO (ILE WALLIS)	N CALEDONIA
68828	C	GEORGE AIRPORT	SOUTH AFRICA	91285	CT	HILO/GEN. LYMAN, HAWAII,	USA
81001	C	GEORGETOWN	GUYANA	47765	C	HIROSHIMA	JAPAN
94403	C	GERALDTON AIRPORT	AUSTRALIA	04082	C	HJARDARNES	ICELAND
60566	C	GHARDAIA	ALGERIA	48900	T	HO CHI MINH VILLE	VIET NAM
08495	CT	GIBRALTAR	GIBRALTAR	94975	CT	HOBART AIRPORT	AUSTRALIA
94461	CT	GILES	AUSTRALIA	93614	C	HOKITIKA AERODROME	N ZEALAND
93291	C	GIBSONE AERODROME	N ZEALAND	61240	C	HOMBORI	MALI
41140	C	GIZAN	SAUDI ARABIA	91517	T	HONIARA	SOLOMON ISLANDS
94380	C	GLADSTONE	AUSTRALIA	91520	C	HONIARA/HENDERSON	SOLOMON ISLANDS
72768	C	GLASGOW/INT., MT.	USA	91182	C	HONOLULU, OAHU, HAWAII	USA
20292	CT	GMO IM.E.K. FEDOROVA	USSR	08506	C	HORTA (ACORES)	PORTUGAL
43192	CT	GOA/PANJIM	INDIA	23219	C	HOSEDA-HARD	USSR
87880	C	GOBERNADOR GREGORES AERO	ARGENTINA	51828	C	HOTAN	CHINA
04250	C	GOTHAB	DENMARK	72243	C	HOUSTON/INTERCONTINENTAL,TX.	USA
09499	C	GOERLITZ	GERMAN DEM REP	78806	T	HOWARD AFB	PANAMA
63331	C	GONDAR	ETHIOPIA	84564	C	HUANUCO	PERU
72465	C	GOODLAND/RENNER FIELD/, KS.	USA	72425	C	HUNTINGTON/TRI-STATE, WV.	USA
71816	CT	GOOSE,NFLD.	CANADA	72654	C	HURON/HURON REGIONAL, SD.	USA
02527	T	GOTEBORG/LANDVETTER	SWEDEN	41765	C	HYDERABAD	PAKISTAN
02512	C	GOTEBORG/SAVE	SWEDEN	43128	CT	HYDERABAD AIRPORT	INDIA
68906	CT	GOUGH ISLAND	SOUTH AFRICA	47016	C	HYESAN	DPR KOREA
94150	CT	GOVE AIRPORT	AUSTRALIA	15090	C	IASI	ROMANIA
72476	C	GRAND JUNCTION/WALKER F.,CO.	USA	80214	C	IBAGUE/PERALES	COLOMBIA
72635	C	GRAND RAPIDS/KENT CO., MI.	USA	32411	C	ICA	USSR
78954	C	GRANTLEY ADAMS	BARBADOS	83821	C	IGUAPE	BRAZIL
11240	C	GRAZ-THALERHOF-FLUGHAFEN	AUSTRIA	87097	C	IGUAZU AERO	ARGENTINA
72775	CT	GREAT FALLS/INT., MT.	USA	61972	C	ILE EUROPA	FRANCE
72645	C	GREEN BAY/A.-STRAUBEL, WI.	USA	61970	C	ILE JUAN DE NOVA	FRANCE
72317	C	GREENSBORO/G.-HIGH PT., NC.	USA	61968	C	ILES GLORIEUSES	FRANCE
72312	C	GREENVILLE/GREENVILLE-SP.,SC	USA	25248	C	ILIRNEJ	USSR
09184	CT	GREIFSWALD	GERMAN DEM REP	60640	C	ILLIZI	ALGERIA
76612	C	GUADALAJARA,JAL.	MEXICO	98637	C	ILOILO	PHILIPPINES
87497	C	GUALEGURYCHU AERO	ARGENTINA	31416	C	IM POLINY OSIPENKO	USSR
91217	C	GUAM, MARIANA IS.	USA	60611	C	IN AMENAS	ALGERIA
78701	C	GUANAJA	HONDURAS	60630	CT	IN SALAH	ALGERIA
76577	C	GUANAJUATO,GTO.	MEXICO	47112	C	INCHON	REP KOREA
59287	CT	GUANGZHOU	CHINA	72438	C	INDIANAPOLIS/I.-MUN/WEI.,IN.	USA
84203	C	GUAYAQUIL/SIMON BOLIVAR	ECUADOR	42754	C	INDORE	INDIA
02128	C	GUNNARN	SWEDEN	67323	C	INHAMBAANE	MOZAMBIQUE
35700	CT	GUR'EV	USSR	11120	C	INNSBRUCK-FLUGHAFEN	AUSTRIA
40360	C	GURIAT	SAUDI ARABIA	72747	CT	INT. FALLS/FALLS INT., MN.	USA
40250	C	H-4 'IRWAISHED'	JORDAN	71907	CT	INUKJUAK, QUE	CANADA
48820	CT	HA NOI	VIET NAM	71957	CT	INUVIK,N.W.T.	CANADA
31735	CT	HABAROVSK	USSR	93844	CT	INVERCARGILL AERODROME	N ZEALAND
47678	C	HACHIJOGIMA	JAPAN	80370	C	IPIALES/SAN LUIS	COLOMBIA
47678	T	HACHIJOGIMA/OMURE	JAPAN	30710	C	IRKUTSK	USSR
47069	C	HAEJU	DPR KOREA	47918	CT	ISHIGAKIJIMA	JAPAN
40373	C	HAFR AL-BATIN	SAUDI ARABIA	85469	C	ISLA DE PASCUA	CHILE
59758	C	HAIKOU	CHINA	85585	C	ISLA ROBINSON CRUSOE	CHILE
40394	CT	HAIL	SAUDI ARABIA	88968	C	ISLAS ORCADAS D.N. (OBS.)	ARGENTINA

# STATION LIST RECENT DATA

17240	CT	ISPARTA	TURKEY	64387	C	KIGALI	RWANDA
17062	CT	ISTANBUL/GOZTEPE	TURKEY	68438	C	KIMBERLEY	SOUTH AFRICA
17220	CT	IZMIR	TURKEY	47025	C	KIMCHAEK	DPR KOREA
84088	C	IZOBAMBA-SANTA CATALINA	ECUADOR	40437	CT	KING KHALED INT. AIRPORT	SAUDI ARABIA
47800	C	IZUHARA	JAPAN	70326	C	KING SALMON, AK.	USA
87305	C	JACHAL	ARGENTINA	45004	T	KING'S PARK	HONG KONG
72235	C	JACKSON/ALLEN C. THOMP., MS.	USA	78397	CT	KINGSTON/NORMAN MANLEY	JAMAICA
72206	C	JACKSONVILLE/INT., FL.	USA	30230	CT	KIRENSK	USSR
41715	C	JACOBABAD	PAKISTAN	27196	C	KIROV	USSR
43041	C	JAGDALPUR	INDIA	61270	C	KITA	MALI
24959	CT	JAKUTSK	USSR	11231	C	KLAGENFURT-FLUGHAFEN	AUSTRIA
01001	CT	JAN MAYEN	NORWAY	72326	C	KNOXVILLE/MUN., TN.	USA
68368	C	JAN SMUTS	SOUTH AFRICA	06181	T	KOBENHAVN/JAEGERSBORG	DENMARK
41024	CT	JEDDAH(KING ABDUL AZIZ IAP)	SAUDI ARABIA	06186	C	KOBENHAVN/LANDBOHOJSKOLEN	DENMARK
40184	C	JERUSALEM	ISRAEL	47893	C	KOCHI	JAPAN
41936	C	JESSORE	BANGLADESH	61698	C	KOLDA	SENEGAL
41598	C	JHELUM	PAKISTAN	29231	CT	KOLPASEV	USSR
60351	C	JIJEL	ALGERIA	10929	C	KONSTANZ	GERMANY, FED REP
63402	C	JIMMA	ETHIOPIA	25954	CT	KORF	USSR
52533	C	JIUQUAN	CHINA	65536	C	KORHOGO	COTE D'IVOIRE
41756	C	JIWANI	PAKISTAN	91408	C	KOROR, PALAU IS.	USA
42339	CT	JODHPUR	INDIA	62772	C	KOSTI	SUDAN
02963	CT	JOKIOINEN	FINLAND	42452	C	KOTA AERODROME	INDIA
02550	C	JONKOPING FLYGPLATS	SWEDEN	48615	CT	KOTA BHARU	MALAYSIA
78762	CT	JUAN SANTAMARIA	COSTA RICA	96471	CT	KOTA KINABALU	MALAYSIA
62941	C	JUBA	SUDAN	70133	CT	KOTZEBUE, RALPH WIEN, AK.	USA
83692	C	JUIZ DE FORA	BRAZIL	91577	C	KOUMAC (INLE-CALEDONIE)	N CALEDONIA
87046	C	JUJUY AERO	ARGENTINA	64893	C	KOUNDJA	REP CAMEROON
78866	CT	JULIANA AIRPORT, ST. MAARTEN	ST. MAARTEN, ST. EUST.	61293	C	KOUTIALA	MALI
87548	C	JUNIN AERO	ARGENTINA	43314	C	KOZHIKODE	INDIA
32150	CT	JUZN-SAHALINSK	USSR	29574	CT	KRASNOJARSK	USSR
02935	CT	JYVASKYLA	FINLAND	38507	C	KRASNODVODSK	USSR
40948	CT	KABUL AIRPORT	AFGHANISTAN	48648	T	KUALA LUMPUR/PETALING JAYA	MALAYSIA
67663	C	KABWE	ZAMBIA	48647	C	KUALA LUMPUR/SUBANG	MALAYSIA
62810	C	KADUGLI	SUDAN	48657	CT	KUANTAN	MALAYSIA
47827	C	KAGOSHIMA	JAPAN	96413	CT	KUCHING	MALAYSIA
47827	T	KAGOSHIMA/YOSHINO	JAPAN	62271	C	KUFRA	LIBYAN ARAB JAMAHIRI
93012	CT	KAITAIA	N ZEALAND	56778	CT	KUNMING	CHINA
02897	C	KAJAAANI	FINLAND	28952	CT	KUSTANAJ	USSR
30469	C	KALAKAN	USSR	71906	CT	KUUJJUAQ, QUE.	CANADA
16726	C	KALAMATA	GREECE	40582	CT	KUWAIT INT. AIRPORT	KUWAIT
94637	CT	KALGOORLIE AIRPORT	AUSTRALIA	91366	C	KNAJALEIN/BUCH. MARSHALL IS.	USA
25744	C	KAMENSKOE	USSR	33393	CT	L'VOV	USSR
40001	C	KAMISHLI	SYRIAN ARAB REP	78705	C	LA CEIBA (AIRPORT)	HONDURAS
67586	C	KAMUZU INTL.	MALAWI	08001	CT	LA CORUNA	SPAIN
47605	C	KANAZAWA	JAPAN	71823	T	LA GRANDE IV	CANADA
40990	C	KANDAHAR AIRPORT	AFGHANISTAN	78708	C	LA MESA (SAN PEDRO SULA)	HONDURAS
65306	C	KANDI	BENIN	76405	C	LA PAZ, B.C.S.	MEXICO
47105	C	KANGNUNG	REP KOREA	85201	C	LA PAZ/ALTO	BOLIVIA
22165	C	KANIN NOS	USSR	87007	C	LA QUIACA OBSERVATORIO	ARGENTINA
72446	C	KANSAS CITY, INT., MO.	USA	87217	C	LA RIOJA AERO.	ARGENTINA
61679	C	KAOLACK	SENEGAL	85488	C	LA SERENA	CHILE
71831	C	KAPUSKASING,ONT.	CANADA	87534	C	LABOULEAYE	ARGENTINA
41780	CT	KARACHI AIRPORT	PAKISTAN	68476	C	LADYSMITH	SOUTH AFRICA
35394	CT	KARAGANDA	USSR	94027	C	LAE M.O.	PAPUA N GUINEA
02080	C	KARESUANDO	SWEDEN	60545	C	LAGHOUAT	ALGERIA
62660	C	KARIIMA	SUDAN	87903	C	LAGO ARGENTINO AERO	ARGENTINA
02418	C	KARLSTAD FLYGPLATS	SWEDEN	41640	C	LAHORE CITY	PAKISTAN
67475	C	KASAMA	ZAMBIA	08509	T	LAJES (ACORES)	PORTUGAL
51709	C	KASHI	CHINA	72240	C	LAKE CHARLES/MUN., LA.	USA
62730	C	KASSALA	SUDAN	72576	C	LANDER/HUNT, WY.	USA
10438	C	KASSEL	GERMANY, FED REP	52889	CT	LANZHOU	CHINA
17074	C	KASTAMONU	TURKEY	98223	C	LAOAG	PHILIPPINES
44454	C	KATHMANDU AIRPORT	NEPAL	16648	C	LARISSA	GREECE
26629	CT	KAUNAS	USSR	87078	C	LAS LOMITAS	ARGENTINA
61257	C	KAYES	MALI	72386	C	LAS VEGAS/MCCARRAN, NV.	USA
27595	CT	KAZAN'	USSR	40022	C	LATTAKIA	SYRIAN ARAB REP
61699	C	KEDOUGOU	SENEGAL	94865	C	LAVERTON AERODROME	AUSTRALIA
04018	CT	KEFLAVIK	ICELAND	78925	C	LE LAMENTIN	MARTINIQUE
16641	C	KERKYRA	GREECE	78897	CT	LE RAIZET/GUADELOUPE	ST. MARTIN, ST. BARTH.
40841	CT	KERMAN	IRAN, ISLAMIC REP	94302	C	LEARMONTH AIRPORT	AUSTRALIA
72201	C	KEY WEST/INT., FL.	USA	12120	CT	LEBA	POLAND
41114	CT	KHAMIS MUSHAIT	SAUDI ARABIA	03257	C	LEEMING	U KINGDOM
62721	CT	KHARTOUM	SUDAN	98444	C	LEGASPI	PHILIPPINES
61214	C	KIDAL	MALI	12374	T	LEGIONOWO	POLAND
33345	CT	KIEV	USSR	09469	C	LEIPZIG-SCHKEUDITZ	GERMAN DEM REP

# STATION LIST RECENT DATA

26063	CT	LENINGRAD (TOWN/VILLE)	USSR	76654	C	MANZANILLO, COL.	MEXICO
03005	CT	LERWICK	U KINGDOM	67341	C	MAPUTO/MAVALANE	MOZAMBIQUE
71874	C	LETHBRIDGE, ALTA.	CANADA	87774	C	MAQUINCHAO	ARGENTINA
80398	C	LETICIA/VASQUEZ COBO	COLOMBIA	87692	C	MAR DEL PLATA AERO	ARGENTINA
72422	C	LEXINGTON/BLUE GRASS, KY.	USA	80413	C	MARACAY - B.A. SUCRE	VENEZUELA
55591	CT	LHASA	CHINA	61080	C	MARADI	NIGER
64500	C	LIBREVILLE	GABON	87467	C	MARCOS JUAREZ AERO	ARGENTINA
67217	C	LICHINGA	MOZAMBIQUE	16325	C	MARINA DI GINOSA	ITALY
91165	CT	LIHUE, KAUAI, HAWAII	USA	68994	CT	MARION ISLAND	SOUTH AFRICA
84628	C	LIMA-CALLAO/AEROP. INT.	PERU	86068	C	MARISCAL ESTIGARRIBIA	PARAGUAY
07434	C	LIMOGES	FRANCE	72743	C	MARQUETTE, MI.	USA
09393	CT	LINDENBERG	GERMAN DEM REP	07650	C	MARSEILLE/MARIGNANE	FRANCE
61627	C	LINGUERE	SENEGAL	61996	CT	MARTIN DE VIVIES(ILE AMST.)	FRANCE
08535	C	LISBOA	PORTUGAL	60507	C	MASCARA GRISS	ALGERIA
08579	T	LISBOA/GAGO COUTINHO	PORTUGAL	40745	C	MASHHAD	IRAN, ISLAMIC REP
67743	C	LIVINGSTONE	ZAMBIA	41288	C	MASIRAH	OMAN
13015	C	LJUBLJANA/BEZIGRAD	YUGOSLAVIA	61630	C	MATAM.	SENEGAL
84270	C	LOJA/LA ARGELIA	ECUADOR	47618	C	MATSUMOTO	JAPAN
15511	C	LOM	BULGARIA	68032	C	MAUN	BOTSWANA
65387	C	LOME	TOGO	40911	C	MAZAR-I-SHARIF	AFGHANISTAN
03776	C	LONDON/GATWICK AIRPORT	U KINGDOM	70231	C	MCGRATH, AK.	USA
83766	C	LONDRENA	BRAZIL	60549	C	MECHERIA	ALGERIA
94346	C	LONGREACH AIRPORT	AUSTRALIA	96035	C	MEDAN/POLONIA	INDONESIA
72247	T	LONGVIEW, TX.	USA	72597	T	MEDFORD/MDFRD-JCSN CO., OR.	USA
94995	CT	LORD HOWE ISLAND	AUSTRALIA	72597	C	MEDFORD/MEDFORD-JACKSON, OR.	USA
72295	C	LOS ANGELES/INT. CA.	USA	94430	C	MEEKATHARRA AIRPORT	AUSTRALIA
72423	C	LOUISVILLE/STANDIFORD, KY.	USA	09548	CT	MEININGEN	GERMAN DEM REP
48930	C	LUANG-PRABANG	LAO PDR	60150	C	MEKNES	MOROCCO
72267	C	LUBBOCK/LUBBOCK INT., TX.	USA	86440	C	MELO	URUGUAY
42369	T	LUCKNOW/AMAUSI	INDIA	97014	CT	MENADO/DR. SAM RATULANGI	INDONESIA
06770	C	LUGANO	SWITZ. LIECH.	61250	C	MENAKA	MALI
61856	C	LUNGI	SIERRA LEONE	87418	CT	MENDOZA AERO	ARGENTINA
16597	C	LUGA	MALTA	56985	C	MENGZI	CHINA
67666	T	LUSAKA CITY AIRPORT	ZAMBIA	08314	C	MENORCA/MAHON	SPAIN
06590	C	LUXEMBOURG/LUXEMBOURG	LUXEMBOURG	97980	C	MERAUKE/MOPAH	INDONESIA
07480	C	LYON/BRON	FRANCE	86490	C	MERCEDES	URUGUAY
07481	T	LYON/SATOLAS	FRANCE	80438	C	MERIDA	VENEZUELA
60467	C	M'SILA	ALGERIA	72234	C	MERIDIAN/KEY, MS.	USA
40310	C	MA'AN	JORDAN	62306	C	MERSA MATRUH	EGYPT
45011	C	MACAO	MACAU	16420	C	MESSINA	ITALY
43185	C	MACHILIPATNAM (FRANCHPET)	INDIA	72202	C	MIAMI, FL.	USA
94367	C	MACKAY	AUSTRALIA	72265	C	MIDLAND/MIDLAND REG., TX.	USA
72217	C	MACON/LEWIS B. WILSON, GA.	USA	91066	T	MIDWAY ISLAND	USA
94998	CT	MACQUARIE ISLAND	AUSTRALIA	99090	CT	MIKE	OCEAN WEATHER STATIO
98646	C	MACTAN	PHILIPPINES	84202	C	MILAGRO	ECUADOR
94014	C	MADANG M.O.	PAPUA N GUINEA	16080	T	MILANO/LINATE	ITALY
40430	CT	MADINAH	SAUDI ARABIA	94693	C	MILDURA AIRPORT	AUSTRALIA
72641	C	MADISON/DANE COUNTY REG., WI.	USA	60430	C	MILIANA	ALGERIA
43279	CT	MADRAS/MINAMBAKKAM	INDIA	72640	C	MILWAUKEE/GEN. MITCHELL, WI.	USA
08222	C	MADRID	SPAIN	47945	CT	MINAMIDAITOJIMA	JAPAN
08221	T	MADRID/BARAJAS	SPAIN	47991	T	MINAMITORISHIMA	JAPAN
47624	C	MAEBASHI	JAPAN	43369	CT	MINICOY	INDIA
40265	T	MAFRAQ	JORDAN	72658	C	MINNEAPOLIS/ST. PAUL INT., MN.	USA
61091	C	MAGARIA	NIGER	26850	T	MINSK	USSR
85114	C	MAGDALENA	BOLIVIA	29866	C	MINUSINSK	USSR
60522	C	MAGHNIA	ALGERIA	12772	C	MISKOLC	HUNGARY
61096	C	MAINE-SOROA	NIGER	72773	C	MISSOULA/JOHNSON-BELL F., MT.	USA
91376	C	MAJURO/MARSHALL IS. INT.	USA	47585	C	MIYAKO	JAPAN
41030	C	MAKKAH	SAUDI ARABIA	47927	C	MIYAKOJIMA	JAPAN
64456	C	MAKOUA	CONGO	47830	C	MIYAZAKI	JAPAN
48665	C	MALACCA	MALAYSIA	72223	C	MOBILE/BATES FIELD, AL.	USA
87506	C	MALARGUE AERO	ARGENTINA	63260	C	MOGADISCIO	SOMALIA
03980	C	MALIN HEAD	IRELAND	30673	C	MOGOKA	USSR
63799	C	MALINDI	KENYA	47165	C	MOKP'O	REP KOREA
65548	C	MAN	COTE D'IVOIRE	72544	C	MOLINE/QUAD CITY, IL.	USA
78741	C	MANAGUA A.C. SANDINO	NICARAGUA	94044	C	MOMOTE M.O.	PAPUA N GUINEA
82331	C	MANAUS	BRAZIL	72349	T	MONETT, MD.	USA
82332	T	MANAUS (AEROPORTO)	BRAZIL	67633	C	MONGU	ZAMBIA
03334	C	MANCHESTER AIRPORT	U KINGDOM	78388	C	MONTEGO BAY/SANGSTER	JAMAICA
48042	C	MANDALAY	BURMA	76393	C	MONTERREY, N.L.	MEXICO
44341	C	MANDALGOVI	MONGOLIA	83437	C	MONTES CLAROS	BRAZIL
65352	C	MANGO	TOGO	72226	C	MONTGOMERY/DANNELLY, AL.	USA
98429	C	MANILA INT. AIRPORT	PHILIPPINES	71627	C	MONTRÉAL INT. AIRPORT, QUE.	CANADA
71722	CT	MANIWAKI, QUE.	CANADA	71836	CT	MOOSONEE, ONT.	CANADA
43413	C	MANNAR	SRI LANKA	61265	C	MOPTI	MALI
97530	C	MANOKWARI/RENDANI	INDONESIA	94527	CT	MOREE	AUSTRALIA

# STATION LIST RECENT DATA

76665	C	MORELIA, MICH.	MEXICO	91592	CT	NOUMEA (NLLE-CALEDONIE).	N CALEDONIA
27612	CT	MOSKVA	USSR	10763	C	NUERNBERG	GERMANY, FED REP
60457	C	MOSTAGANEM	ALGERIA	84132	C	NUEVO ROCAFUERTE	ECUADOR
71072	CT	MOULD BAY A, N.W.T.	CANADA	76775	C	OAXACA, OAX.	MEXICO
64706	C	MONDOU	CHAD	33837	CT	ODESSA	USSR
64402	C	MOUYONDZI	CONGO	31088	CT	OHOTSK	USSR
63619	C	MOYALE	KENYA	47815	C	OITA	JAPAN
84435	C	MOYOBAMBA	PERU	24688	C	OJMJAKON	USSR
94821	CT	MT GAMBIER AIRPORT	AUSTRALIA	72353	C	OKLAHOMA CITY/W.R.WORLD, OK.	USA
94332	CT	MT ISA AIRPORT	AUSTRALIA	24125	CT	OLENEK	USSR
63971	C	MTWARA	U REP TANZANIA	72792	C	OLYMPIA, WA.	USA
10868	T	MUENCHEN- OBERSCHLEISSHEIM	GERMANY, FED REP	47655	C	OMAEZAKI	JAPAN
10866	C	MUENCHEN-RIEM	GERMANY, FED REP	72553	C	OMAHA, NE.	USA
17292	C	MUGLA	TURKEY	28698	CT	OMSK	USSR
42147	C	MUKTESWAR KUMAON	INDIA	87016	C	ORAN AERO	ARGENTINA
41675	C	MULTAN	PAKISTAN	60490	C	ORAN/ES SENIA	ALGERIA
44231	C	MUREN	MONGOLIA	35121	CT	ORENBURG	USSR
22113	CT	MURMANSK	USSR	01241	T	ORLAND	NORWAY
72636	C	MUSKEGON/COUNTY, MI.	USA	01241	C	ORLAND III	NORWAY
63756	C	MWANZA	U REP TANZANIA	72205	C	ORLANDO/JETPORT/ FL.	USA
23146	CT	MYS KAMENNYJ	USSR	40712	C	ORUMIEH	IRAN, ISLAMIC REP
25173	CT	MYS SMIDTA	USSR	85242	C	ORURO	BOLIVIA
25399	C	MYS VELEN	USSR	47772	C	OSAKA	JAPAN
61049	C	N'GUIGMI	NIGER	01384	CT	OSLO/GARDERMOEN	NORWAY
72340	C	N. LITTLE ROCK/MUN. APRT., AR.	USA	02226	C	OSTERSUND/FROSON	SWEDEN
47817	C	NAGASAKI	JAPAN	11782	C	OSTRAVA/MOSNOV	CZECHOSLOVAKIA
47636	C	NAGOYA	JAPAN	21965	CT	OSTROV CETYREH-STOLBOVOJ	USSR
42867	CT	NAGPUR SONEGAON	INDIA	20674	CT	OSTROV DIKSON	USSR
47936	C	NAHA	JAPAN	21432	CT	OSTROV KOTEL'NYJ	USSR
47936	T	NAHAKAGAMIZU	JAPAN	20069	C	OSTROV VIZE	USSR
63741	T	NAIROBI/DAGORETTI	KENYA	65502	C	OUAHIGOUYA	BURKINA FASO
63740	C	NAIROBI/KENYATTA AIRPORT	KENYA	64458	C	OUESSO	CONGO
41128	C	NAJTRAN	SAUDI ARABIA	96163	C	PADANG/TABING	INDONESIA
48431	C	NAKHON RATCHASIMA	THAILAND	91765	T	PAGO PAGO/INT. AIRPORT	USA
48400	C	NAKHON SAWAN	THAILAND	96109	C	PAKANBARU/SIMPANGTIGA	INDONESIA
67237	C	NAMPULA	MOZAMBIQUE	48955	C	PAKSE	LAO PDR
58606	C	NANCHANG	CHINA	96221	C	PALEMBANG/TALANGBETUTU	INDONESIA
07180	CT	NANCY/ESSEY	FRANCE	08306	C	PALMA DE MALLORCA/SON SAN J.	SPAIN
91680	CT	NANDI	FIJI	08302	T	PALMA/SON BONET	SPAIN
59431	C	NANNING	CHINA	97072	C	PALU/MUTIARA	INDONESIA
07222	C	NANTES	FRANCE	43363	C	PAMBAN	INDIA
16289	C	NAPOLI/CAPODICHINO	ITALY	43285	T	PANAMBUR	INDIA
23205	CT	NAR' JAN-MAR	USSR	96237	C	PANGKALPINANG/PANGKALPINANG	INDONESIA
04270	T	NARSSARSSUAQ	DENMARK	41739	C	PANJGUR	PAKISTAN
72327	CT	NASHVILLE/OLD HICKORY, TN.	USA	41560	C	PARACHINAR	PAKISTAN
78073	CT	NASSAU AIRPORT	BAHAMAS	65330	C	PARAKOU	BENIN
82599	T	NATAL	BRAZIL	87374	C	PARANA AERO	ARGENTINA
65319	C	NATITINGOU	BENIN	07150	C	PARIS/LE BOURGET	FRANCE
91683	C	NAUDORI	FIJI	87814	C	PASO DE INDIOS	ARGENTINA
47909	C	NAZE	JAPAN	87289	C	PASO DE LOS LIBRES AERO	ARGENTINA
47909	T	NAZE/FUNCHATOGE	JAPAN	86460	C	PASO DE LOS TOROS	URUGUAY
64700	C	NDJAMENA	CHAD	80342	C	PASTO/ANTONIO NARINO	COLOMBIA
80315	C	NEIVA/LA MANGUITA	COLOMBIA	06610	T	PAYERNE	SWITZ. LIECH.
47420	CT	NEMURO	JAPAN	12942	C	PECS	HUNGARY
87715	CT	NEUQUEN AERO	ARGENTINA	87544	C	PEHUAJO AERO	ARGENTINA
42182	CT	NEW DELHI/SAFDARJUNG	INDIA	91554	C	PEKOJA AIRPORT/ESPIRITU-SANTO	VANUATU
72231	C	NEW ORLEANS, LA	USA	67215	C	PEMBA	MOZAMBIQUE
93308	C	NEW PLYMOUTH AERODROME	N ZEALAND	48601	CT	PENANG/BAYAN LEPAS	MALAYSIA
72503	C	NEW YORK/LA GUARDIA, NY.	USA	72688	C	PENDLETON, OR.	USA
61052	CT	NIAMEY-AERO	NIGER	72532	C	PEORIA/GREATER PEORIA, IL.	USA
07690	C	NICE	FRANCE	80210	C	PEREIRA/MATECANA	COLOMBIA
47604	C	NIIGATA	JAPAN	28225	C	PERM	USSR
32618	C	NIKOL'SKOЕ (OSTROV BERINGA)	USSR	07747	C	PERPIGNAN	FRANCE
31369	C	NIKOLAEVSK-NA-AMURE	USSR	94610	CT	PERTH AIRPORT	AUSTRALIA
07645	CT	NIMES/COURBESSAC	FRANCE	16230	C	PESCARA	ITALY
61230	C	NIORO DU SAHEL	MALI	41530	CT	PESHAWAR	PAKISTAN
23724	C	NJAKSIMVOL'	USSR	82983	C	PETROLINA	BRAZIL
61878	C	NJALA	SIERRA LEONE	32540	CT	PETROPAVLOVSK-KAMCatskij	USSR
70200	CT	NOME, AK.	USA	72408	C	PHILADELPHIA/INT., PA.	USA
94996	CT	NORFOLK ISLAND AIRPORT	AUSTRALIA	48378	C	PHITSANULOK	THAILAND
72308	C	NORFOLK/INT., VA.	USA	72278	C	PHOENIX/SKY HARBOR INT., AZ.	USA
72556	C	NORFOLK/KARL STEFAN, NE.	USA	78970	CT	PIARCO INT. AIRPORT, TRINIDAD	TRINIDAD TOBAGO
71043	CT	NORMAN WELLS, N.W.T.	CANADA	84140	C	PICHILINGUE	ECUADOR
71731	C	NORTH BAY, ONT.	CANADA	68174	CT	PIETERSBURG	SOUTH AFRICA
72562	CT	NORTH PLATTE/LEE BIRD, NE.	USA	87679	C	PIGUE AERO	ARGENTINA
61415	CT	NOUADHIBOU	MAURITANIA	86255	C	PILAR	PARAGUAY

# STATION LIST RECENT DATA

87349	C	PILAR OBSERVATORIO	ARGENTINA	82900	CT	RECIFE (CURADO)	BRAZIL
16158	C	PISA/S. GIUSTO	ITALY	87270	C	RECONQUISTA AERO	ARGENTINA
72520	C	PITTSBURGH/GREATER PITT., PA.	USA	71863	C	REGINA, SASK.	CANADA
84401	C	PIURA	PERU	96171	C	RENGAT/JAPURA	INDONESIA
37050	C	PJATIGORSK	USSR	72488	C	RENO/INT., NV.	USA
61990	C	PLAISANCE (MAURITIUS)	MAURITIUS	87155	CT	RESISTENCIA AERO.	ARGENTINA
03827	C	PLYMOUTH/MOUNT BATTEN	U KINGDOM	71924	CT	RESOLUTE, N.W.T.	CANADA
72578	C	POCATELLO/NUM., ID.	USA	04030	C	REYKJAVIK	ICELAND
61612	C	PODOR	SENEGAL	85043	C	RIBERALTA	BOLIVIA
47138	T	POHANG	REP KOREA	72401	C	RICHMOND/BYRD, VA.	USA
64400	C	POINTE-NOIRE	CONGO	91948	C	RIKITEA	FRENCH POLY.
20046	TC	POLAR GMO IM.E.T. KRENKELJA	USSR	82915	C	RIO BRANCO	BRAZIL
91348	C	PONAPE, CAROLINE ISLANDS.	USA	87736	C	RIO COLORADO	ARGENTINA
08513	C	PONTA DELGADA (ACORES)	PORTUGAL	87453	C	RIO CUARTO AERO	ARGENTINA
83702	C	PONTA PORA	BRAZIL	83743	C	RIO DE JANEIRO	BRAZIL
43063	C	POONA	INDIA	87925	C	RIO GALLEGOS AERO	ARGENTINA
11952	T	POPRAD/GANOVCE	CZECHOSLOVAKIA	87934	C	RIO GRANDE B.A.	ARGENTINA
11934	C	POPRAD/TATRY	CZECHOSLOVAKIA	80112	C	RIONEGRO/J.M.CORDOVA	COLOMBIA
43333	CT	PORT BLAIR	INDIA	87065	C	RIVADAVIA	ARGENTINA
68842	CT	PORT ELIZABETH	SOUTH AFRICA	40438	C	RIYADH	SAUDI ARABIA
71109	CT	PORT HARDY, B.C.	CANADA	72411	C	ROANOKE/MUN., VA.	USA
94312	CT	PORT HEDLAND AIRPORT	AUSTRALIA	65660	C	ROBERTS FIELD	LIBERIA
94035	C	PORT MORESBY M.O.	PAPUA N GUINEA	85268	C	ROBORE	BOLIVIA
62641	C	PORT SUDAN	SUDAN	86565	C	ROCHA	URUGUAY
61998	CT	PORT-AUX-FRANCAIS (ILES KER.)	FRANCE	72644	C	ROCHESTER/MUN., MN.	USA
72606	C	PORTLAND/INT. JET PORT, ME.	USA	72529	C	ROCHESTER/ROCHESTER-MON., NY.	USA
72698	C	PORTLAND/INT., OR.	USA	61988	C	RODRIGUES	MAURITIUS
83967	C	PORTO ALEGRE	BRAZIL	16242	C	ROMA/FIUMICINO	ITALY
83971	T	PORTO ALEGRE (AEROPORTO)	BRAZIL	06190	C	RONNE	DENMARK
83064	C	PORTO NACIONAL	BRAZIL	87480	C	ROSARIO AERO	ARGENTINA
84135	C	PORTO VIEJO-GRANJA	ECUADOR	34731	CT	ROSTOV-NA-DONU	USSR
08546	C	PORTO/SERRA DO PILAR	PORTUGAL	89062	C	ROTHERA POINT	U KINGDOM
87178	C	POSADAS AERO.	ARGENTINA	45005	C	ROYAL OBSERVATORY	HONG KONG
09379	C	POTSDAM	GERMAN DEM REP	51777	C	RUOQIANG	CHINA
12330	CT	POZNAN	POLAND	85141	C	RURRENABAQUE	BOLIVIA
48500	C	PRACHUAP KHIRIKHAN	THAILAND	89001	CT	S.A.N.A.E. STATION	SOUTH AFRICA
11520	CT	PRAHA-LIBUS	CZECHOSLOVAKIA	82106	C	S.GABRIEL DO CACHOEIRA(UAU.)	BRAZIL
11518	C	PRAHA/RUZYNE	CZECHOSLOVAKIA	71600	CT	SABLE ISLAND,N.S.	CANADA
16245	T	PRATICA DI MARE	ITALY	72483	C	SACRAMENTO/EXECUTIVE, CA.	USA
87149	C	PRES. ROQUE SAENZ PENA AERO	ARGENTINA	06680	C	SAENTIS	SWITZ. LIECH.
68262	C	PRETORIA	SOUTH AFRICA	42671	C	SAGAR	INDIA
68263	T	PRETORIA (IRENE)	SOUTH AFRICA	44354	C	SAINSHAND	MONGOLIA
71896	CT	PRINCE GEORGE,B.C.	CANADA	61980	C	SAINT-DENIS/GILLOT (REUNION)	FRANCE
72507	C	PROVIDENCE/GREEN STATE, RI.	USA	61600	C	SAINT-LOUIS	SENEGAL
80002	C	PROVIDENCIA (ISLA)	COLOMBIA	71805	C	SAINT-PIERRE	ST. PIERRE MIQUELON
12695	C	PRZEMYSL	POLAND	08594	CT	SAL	CAPE VERDE
80457	C	PUERTO AYACUCHO	VENEZUELA	41316	C	SALALAH	OMAN
80139	C	PUERTO CARRENO	COLOMBIA	23330	CT	SALEHARD	USSR
86086	C	PUERTO CASADO	PARAGUAY	76833	C	SALINA CRUZ,OAX.	MEXICO
87896	C	PUERTO DESEADO AERO	ARGENTINA	72572	C	SALT LAKE CITY/INT., UT.	USA
78711	C	PUERTO LEMPIRA	HONDURAS	87047	CT	SALTA AERO	ARGENTINA
78767	C	PUERTO LIMON	COSTA RICA	86360	C	SALTO	URUGUAY
85799	C	PUERTO MONTT	CHILE	83229	C	SALVADOR	BRAZIL
78457	C	PUERTO PLATA	DOMINICAN REP	11150	C	SALZBURG-FLUGHAFEN	AUSTRIA
86248	C	PUERTO PRESIDENTE STROESSNER	PARAGUAY	35925	C	SAM	USSR
85289	C	PUERTO SUAREZ	BOLIVIA	17030	CT	SAMSUN	TURKEY
85934	C	PUNTA ARENAS	CHILE	61277	C	SAN	MALI
87596	C	PUNTA INDIO B.A.	ARGENTINA	80001	CT	SAN ANDRES (ISLA)	COLOMBIA
78760	C	PUNTARENAS	COSTA RICA	72263	C	SAN ANGELO/MATHIS, TX.	USA
47159	C	PUSAN	REP KOREA	80447	C	SAN ANTONIO DEL TACHIRA	VENEZUELA
47058	CT	PYONGYANG	DPR KOREA	87784	C	SAN ANTONIO OESTE AERO	ARGENTINA
56137	C	QAMDO	CHINA	72253	C	SAN ANTONIO/INT., TX.	USA
54857	C	QINGDAO	CHINA	84008	C	SAN CRISTOBAL (GALAPAGOS)	ECUADOR
50745	C	QIQIHHAR	CHINA	72290	C	SAN DIEGO/LINDBERGH, CA.	USA
67283	C	QUELIMANE	MOZAMBIQUE	72290	T	SAN DIEGO/MONTGOMERY FLD, CA.	USA
41660	C	QUETTA AIRPORT	PAKISTAN	80450	C	SAN FERNANDO DE APURE	VENEZUELA
80144	C	QUIBDO/EL CARANO	COLOMBIA	72494	C	SAN FRANCISCO/INT., CA.	USA
72797	CT	QUILLAYUTE, WA.	USA	85207	C	SAN IGNACIO DE VELASCO	BOLIVIA
82586	C	QUIXERAMOBIM	BRAZIL	85104	C	SAN JOAQUIN	BOLIVIA
40362	C	RAFHA	SAUDI ARABIA	87311	C	SAN JUAN AERO	ARGENTINA
72306	C	RALEIGH/RALEIGH-DURHAM, NC.	USA	86260	C	SAN JUAN BAUTISTA MISIONES	PARAGUAY
93997	C	RAOUL ISLAND, KERMADEC IS.	N ZEALAND	87909	C	SAN JULIAN AERO	ARGENTINA
91958	CT	RAPA	FRENCH POLY.	87436	C	SAN LUIS AERO	ARGENTINA
72662	C	RAPID CITY/REG., SD.	USA	65594	C	SAN PEDRO	COTE D'IVOIRE
91843	CT	RAROTONGA	N ZEALAND	87509	C	SAN RAFAEL AERO	ARGENTINA
22602	C	REBOLY	USSR	71101	C	SANDSPIT,B.C.	CANADA

# STATION LIST RECENT DATA

85123	C	SANTA ANA	BOLIVIA	16746	C	SOUDA	GREECE
85245	C	SANTA CRUZ	BOLIVIA	72535	C	SOUTH BEND/ST. JOSEPH CO., IN.	USA
87912	C	SANTA CRUZ AERO	ARGENTINA	13334	C	SPLIT/MARJAN	YUGOSLAVIA
60020	C	SANTA CRUZ DE TENERIFE	SPAIN	72785	CT	SPOKANE/INT., WA.	USA
80462	C	SANTA ELENA DE UAIREN	VENEZUELA	72439	C	SPRINGFIELD/CAPITAL, IL.	USA
08515	C	SANTA MARIA (ACORES)	PORTUGAL	72440	C	SPRINGFIELD/MUN., MO.	USA
72394	C	SANTA MARIA/PUBLIC, CA.	USA	42027	CT	SRINAGAR	INDIA
80009	C	SANTA MARTA/SIMON BOLIVAR	COLOMBIA	61986	C	ST. BRANDON IST. RAPHAEL	MAURITIUS
87623	CT	SANTA ROSA AERO	ARGENTINA	72655	T	ST. CLOUD/WHITNEY, MN.	USA
78717	C	SANTA ROSA DE COPAN	HONDURAS	61901	CT	ST. HELENA IS.	U KINGDOM
87129	C	SANTIAGO DEL ESTERO AERO.	ARGENTINA	72434	C	ST. LOUIS/LAMBERT, ST., MO.	USA
78486	C	SANTO DOMINGO.	DOMINICAN REP	70308	C	ST. PAUL, AK.	USA
82668	C	SAO FELIX DO XINGU	BRAZIL	11028	C	ST. POELTEN	AUSTRIA
82280	C	SAO LUIZ	BRAZIL	71801	T	ST. JOHN'S, NFLD.	CANADA
83781	C	SAO PAULO	BRAZIL	83997	C	ST. VITORIA DO PALMAR	BRAZIL
83780	T	SAO PAULO (AEROPORTO)	BRAZIL	01415	CT	STAVANGER/SOLA	NORWAY
47412	CT	SAPPORO	JAPAN	71815	TC	STEPHENVILLE,NFLD	CANADA
13354	C	SARAJEVO	YUGOSLAVIA	02464	C	STOCKHOLM/BROMMA	SWEDEN
34172	CT	SARATOV	USSR	02465	T	STOCKHOLM/BROMMA	SWEDEN
41594	T	SARGODHA	PAKISTAN	03026	CT	STORNOWAY	U KINGDOM
65599	C	SASSANDRA	COTE D'IVOIRE	07190	C	STRASBOURG	FRANCE
72734	C	SAULT STE. MARIE, MI.	USA	10739	CT	STUTTGART/SCHNARRENNBERG	GERMANY, FED REP
97900	C	SAUMLAKI	INDONESIA	85283	C	SUCRE	BOLIVIA
72207	C	SAVANNAH/MUNICIPAL, GA.	USA	41062	C	SULAYEL	SAUDI ARABIA
65335	C	SAVE	BENIN	15360	C	SULINA	ROMANIA
10035	CT	SCHLESWIG	GERMANY, FED REP	72429	T	SULPHUR GROVE, OH.	USA
04339	T	SCORESBYSUND	DENMARK	97260	C	SUMBABA BESAR/SUMBABA BESAR	INDONESIA
72793	C	SEATTLE/S.-TACOMA, WA.	USA	02365	T	SUNDSVALL-HARNOSAND FLYGPLAT	SWEDEN
62124	C	SEBHA	LIBYAN ARAB JAMAHIRI	24738	C	SUNTAR	USSR
41256	C	SEEB, INTERNATIONAL AIRPORT	OMAN	41268	C	SÜR	OMAN
61272	C	SEGOU	MALI	96933	C	SURABAYA/PERAK	INDONESIA
25703	CT	SEJMCAN	USSR	98653	C	SURIGAO	PHILIPPINES
36177	C	SEMIPALATINSK	USSR	01008	C	SVALBARD LUFTHAVN	NORWAY
47590	CT	SENDAI	JAPAN	28440	CT	SVERDLOVSK	USSR
62762	C	SENNAR	SUDAN	94767	C	SYDNEY AIRPORT	AUSTRALIA
48948	C	SENO	LAO PDR	71707	C	SYDNEY,N.S.	CANADA
71811	CT	SEPT-ILES, QUE.	CANADA	23804	CT	SYKTYVKAR	USSR
61976	C	SERGE-FROLOW (ILE TROMELIN)	FRANCE	89532	CT	SYOWA	JAPAN
60445	C	SETIF	ALGERIA	72519	C	SYRACUSE/HANCOCK, NY.	USA
08390	C	SEVILLA/TABLADA	SPAIN	12205	C	SZCZECIN	POLAND
63985	T	SEYCHELLES IAP. (RAW. STN)	SEYCHELLES	12982	CT	SZEGED	HUNGARY
63980	C	SEYCHELLES INT. AIRPORT	SEYCHELLES	65380	C	TABLIGO	TOGO
58367	CT	SHANGHAI	CHINA	63832	C	TABORA AIRPORT	U REP TANZANIA
03962	C	SHANNON AIRPORT	IRELAND	65592	C	TABOU	COTE D'IVOIRE
59316	C	SHANTOU	CHINA	40375	CT	TABUK	SAUDI ARABIA
41136	C	SHARURAH	SAUDI ARABIA	98550	C	TACLOBAN	PHILIPPINES
71601	C	SHEARHATER, N.S.	CANADA	98644	C	TAGBILARAN	PHILIPPINES
71399	T	SHELBYNE, N.S.	CANADA	91938	CT	TAHITI-FRAA	FRENCH POLY.
70414	T	SHEMYA AFB, AK.	USA	61043	C	TAHOUA	NIGER
54342	C	SHENYANG	CHINA	58968	T	TAIBEI	CHINA
72666	C	SHERIDAN/COUNTY, WY.	USA	41036	C	TAIF	SAUDI ARABIA
47898	C	SHIMIZU/ASHIZURI	JAPAN	53772	C	TAIYUAN	CHINA
47778	CT	SHIONOMISAKI	JAPAN	91943	C	TAKAROA	FRENCH POLY.
40848	C	SHIRAZ	IRAN, ISLAMIC REP	84390	C	TALAR	PERU
72248	C	SHREVEPORT/REG., LA.	USA	72214	C	TALLAHASSEE/MUN., FL.	USA
64405	C	SIBITI	CONGO	26038	C	TALLIN	USSR
15260	C	SIBIU	ROMANIA	60680	CT	TAMANRASSET	ALGERIA
96073	C	SIBOLGA/PINANGSORI	INDONESIA	67095	C	TAMATAVE	MADAGASCAR
61297	C	SIKASSO	MALI	61687	C	TAMBACOUNDA	SENEGAL
33946	C	SIMFEROPOL	USSR	38413	C	TAMDY	USSR
32195	C	SIMUSIR	USSR	72211	C	TAMPA/INT., FL.	USA
48698	CT	SINGAPORE/CHANGI AIRPORT	SINGAPORE	76548	C	TAMPICO, TAMPS	MEXICO
47035	C	SINUJU	DPR KOREA	87645	C	TANDIL AERO	ARGENTINA
72557	C	SIOUX CITY/MUN., IA.	USA	96091	C	TANJUNGPINANG/KIJANG	INDONESIA
72651	C	SIOUX FALLS/FOSS FIELD, SD.	USA	96509	C	TARAKAN/JUWATA	INDONESIA
17090	C	SIVAS	TURKEY	84455	C	TARAPOTO	PERU
60355	C	SKIKDA	ALGERIA	91610	CT	TARAWA	N ZEALAND
13586	C	SKOPJE-PETROVAC	YUGOSLAVIA	23552	C	TARKO-SALE	USSR
11903	C	SLIAC	CZECHOSLOVAKIA	38457	CT	TASKENT	USSR
76845	C	SN.CRISTOBAL LAS CASAS, CHIS	MEXICO	47646	T	TATENO	JAPAN
02836	CT	SODANKYLA	FINLAND	96481	T	TAHAU	MALAYSIA
15614	C	SOFIA (OBSERV.)	BULGARIA	37549	CT	TBILISI	USSR
65361	C	SOKODE	TOGO	78720	C	TEGUCIGALPA	HONDURAS
63962	C	SONGEA	U REP TANZANIA	40754	CT	TEHRAN-MEHRABAD	IRAN, ISLAMIC REP
48568	CT	SONGKHLA	THAILAND	78706	C	TELA	HONDURAS
11146	C	SONNBLICK	AUSTRIA	56739	C	TENGCHONG	CHINA

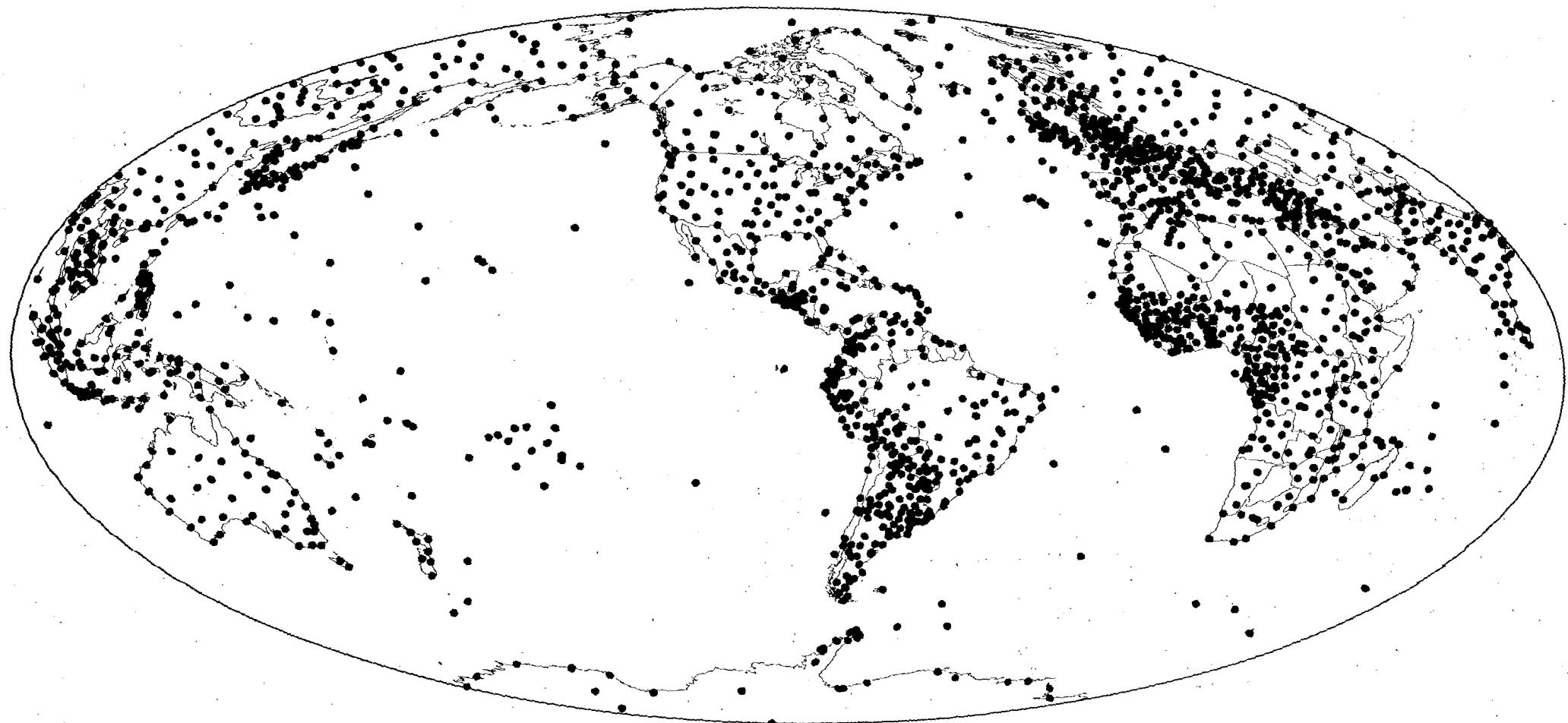
# STATION LIST RECENT DATA

89053	C	TENIENTE JUBANY E.C.	ARGENTINA	01098	C	VARDO	NORWAY
94238	C	TENNANT CREEK AIRPORT	AUSTRALIA	15552	C	VARNA	BULGARIA
61202	C	TESSALIT	MALI	26477	C	VELIKIE LUKI	USSR
67261	C	TETE	MOZAMBIQUE	16105	C	VENEZIA/TESSERA	ITALY
71867	CT	THE PAS, MAN.	CANADA	42909	C	VERVAL	INDIA
16622	C	THESSALONIKI/MIKRA	GREECE	24266	CT	VERHOJANSK	USSR
06011	CT	THORSHAVN	DENMARK	71115	T	VERNON, B.C.	CANADA
41314	C	THUMRAIT	OMAN	16090	C	VERONA/VILLA FRANCIA	ITALY
94175	C	THURSDAY ISLAND	AUSTRALIA	72255	C	VICTORIA/VICTORIA REG., TX.	USA
60511	C	TIARET	ALGERIA	87791	C	VIEDMA AERO	ARGENTINA
61036	C	TILLABERY	NIGER	48940	C	VIENTIANE	LAO PDR
81002	C	TIMEHRI	GUYANA	83208	C	VILHENA	BRAZIL
60607	C	TIMIMOUN	ALGERIA	24641	C	VILNUJSK	USSR
15247	C	TIMISOARA	ROMANIA	87328	C	VILLA DOLORÉS AERO	ARGENTINA
84534	C	TINGO MARIA	PERU	87448	C	VILLA REYNOLDS AERO	ARGENTINA
03100	C	TIREE	U KINGDOM	86233	C	VILLARRICA	PARAGUAY
13462	C	TITOGRAD/GOLUBOVCI	YUGOSLAVIA	80234	C	VILLAVICENCIO/VANGUARDIA	COLOMBIA
60531	C	TLEMCEN (ZENATA)	ALGERIA	48845	C	VINH	VIET NAM
28275	C	TOBOL'SK	USSR	02590	C	VISBY FLYGPLATS	SWEDEN
47662	C	TOKYO	JAPAN	43149	C	VISHAKHAPATNAM	INDIA
72536	C	TOLEDO/EXPRESS, OH.	USA	31960	CT	VLADIVOSTOK	USSR
61223	C	TOMBOUTOU	MALI	27037	CT	VOLOGDA	USSR
72456	C	TOPEKA/MUN., KS.	USA	34122	C	VORONEZ	USSR
71624	C	TORONTO INT. AIRPORT ONT.	CANADA	22837	C	VYTEGRA	USSR
76382	C	TORREON, COAH.	MEXICO	72256	C	WACO, MADISON-COOPER, TX.	USA
60555	C	TOUGOURT	ALGERIA	62751	C	WAD MEDANI	SUDAN
07630	C	TOULOUSE/BLAGNAC	FRANCE	03377	C	WADDINGTON	U KINGDOM
94294	CT	TOWNSVILLE AIRPORT	AUSTRALIA	62600	C	WADI HALFA	SUDAN
16429	CT	TRAPANI/BIRGI	ITALY	94910	CT	WAGGA AIRPORT	AUSTRALIA
07145	T	TRAPPES	FRANCE	97340	C	WAINGAPU/MAU HAU	INDONESIA
86500	C	TREINTA Y TRES	URUGUAY	47600	CT	WAJIMA	JAPAN
87828	C	TRELEW AERO	ARGENTINA	47401	CT	WAKKANAI	JAPAN
87688	C	TRES ARROYOS	ARGENTINA	09170	C	WARNEMUENDE	GERMAN DEM REP
83618	C	TRES LAGOAS	BRAZIL	12375	C	WARSZAWA-OKECIE	POLAND
16110	C	TRISTE	ITALY	72405	C	WASHINGTON/NAT., VA.	USA
85154	C	TRINIDAD	BOLIVIA	72403	T	WASHINGTON/STERLING, VA.	USA
62010	C	TRIPOLI INT. AIRPORT	LIBYAN ARAB JAMAHIRI	40400	C	WEJH	SAUDI ARABIA
43371	CT	TRIVANDRUM	INDIA	93434	C	WELLINGTON	N ZEALAND
01025	C	TROMSO/LANGNES	NORWAY	72203	C	WEST PALM BEACH/INT., FL.	USA
84501	C	TRUJILLO	PERU	71964	CT	WHITEHORSE, Y.T.	CANADA
91334	CT	TRUK, CAROLINE IS.	USA	72450	C	WICHITA, KS.	USA
91954	C	TUBUAI	FRENCH POLY.	61902	T	WIDE AWAKE FIELD, (ASCEN. IS.)	USA
72274	C	TUCSON/INT., AZ.	USA	11035	CT	WIEN/HOHE WARTE	AUSTRIA
87121	C	TUCUMAN AERO	ARGENTINA	72513	C	WILKES-BARRE-SCRANTON, PA.	USA
98233	C	TUGUEGARAO	PHILIPPINES	94776	CT	WILLIAMTOWN AERODROME	AUSTRALIA
67161	C	TULEAR	MADAGASCAR	94299	CT	WILLIS ISLAND	AUSTRALIA
72356	C	TULSA/INT., OK.	USA	72767	C	WILLISTON/SLOULIN FIELD, ND.	USA
84370	C	TUMBES	PERU	72583	C	WINNEMUCCA/MUN., NV.	USA
60715	C	TUNIS CARTHAGE	TUNISIA	71852	C	WINNIPEG INT. AIRPORT, MAN	CANADA
24507	CT	TURA	USSR	12497	C	WLODAWA	POLAND
40356	C	TURAIF	SAUDI ARABIA	47055	C	WONSAN	DPR KOREA
35358	C	TURGAJ	USSR	94659	CT	WOOMERA AERODROME	AUSTRALIA
02972	C	TURKU	FINLAND	12425	T	WROCLAW I	POLAND
23472	CT	TURUHANSK	USSR	12424	C	WROCLAW II	POLAND
48407	T	UBON RATCHATHANI	THAILAND	57036	C	XI'AN	CHINA
06447	CT	UCCLE	BELGIUM	56571	C	XICHANG	CHINA
16045	CT	UDINE/RIVOLT	ITALY	85365	C	YACUIBA	BOLIVIA
48354	C	UDON THANI	THAILAND	72781	C	YAKIMA/YAKIMA AIR TERM., WA.	USA
44292	C	ULAN-BATOR	MONGOLIA	70361	CT	YAKUTAT, AK.	USA
44212	C	ULAN-GOM	MONGOLIA	65563	C	YAMOUSOUKRO	COTE D'IVOIRE
44214	C	ULGI	MONGOLIA	54292	C	YANJI	CHINA
44272	C	ULIASTAI	MONGOLIA	91413	C	YAP, CAROLINE IS.	USA
76225	C	UNIV. DE CHIHUAHUA, CHIH.	MEXICO	40439	C	YENBO	SAUDI ARABIA
68424	CT	UPINGTON	SOUTH AFRICA	57461	C	YICHANG	CHINA
47426	C	URAKAWA	JAPAN	53614	C	YINCHUAN	CHINA
17270	C	URFA	TURKEY	51431	C	YINING	CHINA
51463	CT	URUMQI	CHINA	47744	CT	YONAGO	JAPAN
87938	C	USHUAIA B.A.	ARGENTINA	72525	C	YOUNGSTOWN, OH.	USA
30635	C	UST'-BARGUZIN	USSR	84425	C	YURIMAGUAS	PERU
25325	C	UST'-OLOJ	USSR	76525	C	ZACATECAS, ZAC. (LA BUFA, ZAC)	MEXICO
02911	C	VAASA	FINLAND	13129	C	ZAGREB/GRIC	YUGOSLAVIA
85766	C	VALDIVIA	CHILE	13130	T	ZAGREB/MAKSIMIR	YUGOSLAVIA
03953	CT	VALENTIA OBSERVATORY	IRELAND	98836	C	ZAMBOANGA	PHILIPPINES
08141	C	VALLADOLID	SPAIN	08160	C	ZARAGOZA/AEROPUERTO	SPAIN
03302	C	VALLEY	U KINGDOM	57083	C	ZHENGZHOU	CHINA
71892	C	VANCOUVER INT. AIRPORT, BC	CANADA	57745	C	ZHIJIANG	CHINA

# STATION LIST RECENT DATA

41620 C	ZHOB	PAKISTAN
61695 C	ZIGUINCHOR	SENEGAL
61090 C	ZINDER	NIGER
10961 C	ZUGSPITZE	GERMANY, FED REP
06660 C	ZURICH (TOWN/VILLE)	SWITZ., LIECH.
25400 C	ZYRJANKA	USSR

# **CLIMATIC DATA STATIONS - WORLDWIDE**



The following is excerpted from the World Meteorological Organization letter No. M/CLC dated 25 August 1986 and is presented here for the information of contributors to the Monthly Climatic Data for the World.

The National Climatic Data Center (NCDC) Asheville, North Carolina, U.S.A. has designed a new processing system for the data it publishes in the Monthly Climatic Data for the World.

The Global Telecommunication System (GTS) will become the primary data source for the MCDW publication. Data transmitted in the CLIMAT, CLIMAT TEMP, CLIMAT SHIP and CLIMAT TEMP SHIP formats as described in the current WMO Publication No. 306 (Manual on Codes), Volume I will be used in the publication. (In reviewing GTS data exchanged in the past, it has been noticed that some non-standard formats had been used. Such data could be lost if the new automated translator cannot translate them.)

The NCDC plans to decrease the use of NOAA 80-4 and 80-5 forms as sources of data during the 1987 data year. They are not yet prepared to stop using these forms completely, but that is the goal.

There will be an automated method of deciding which data exchanged over the GTS to publish. Stations will appear in the publication if both of the following are true:

- (a) Station data have been transmitted on the GTS in the current CLIMAT, CLIMAT TEMP, CLIMAT SHIP or CLIMAT TEMP SHIP formats. (Data from NOAA Forms 80-4 and 80-5 may be used for some stations during a transition period that should not exceed one year from January 1987.)
- (b) The stations are designated as CLIMAT, CLIMAT TEMP, CLIMAT SHIP or CLIMAT TEMP SHIP stations in the version of WMO Publication No. 9 (Weather Reporting), Volume A that was in effect in the month to which the data relate.

The new MCDW system, like the old system, will require a set of average values to compare with the monthly summary values that are to be published in MCDW. The new system will employ a set of averages for the 30-year period 1951-1980, calculated from data received at the NCDC during those years. This is being done for consistency among Member nations. Sunshine duration alone will be taken from WMO's published 1931-1960 normals.

As will be seen from the above description, the only major planned change in the procedure of preparing the publication is that the CLIMAT messages transmitted on the GTS will become the primary data source for MCDW, the use of the NOAA 80-4 and 80-5 "verification" forms, which are - and shall continue to be - forwarded by air mail to the National Climatic Data Center, will diminish. The aim of this change is to automate procedures and to reduce the time period needed for the preparation of the publication.

In order to ensure a high reliability of the data to be published under the new procedure, I should like to emphasize the particular importance of exercising great care in the preparation of CLIMAT, CLIMAT TEMP, CLIMAT SHIP and CLIMAT TEMP SHIP reports and adhering strictly to the relevant coding and telecommunication procedures laid down in the Manual on Codes (Volume I) (WMO-No. 306) and the Manual on the Global Telecommunication System (WMO-No. 386), respectively. (It will be recalled that Chapter 8 of the Guide to Climatological Practices - WMO No. 100 - also refers to the preparation of CLIMAT reports.)

**COVER:** The cover maps are long term means analyzed on a miller cylindrical projection of the world. They were prepared by U. S. National Climatic Data Center personnel from a variety of sources, including data from Monthly Climatic Data for the World and ship reports exchanged under WMO Res. 35 (Cg-IV). Since it was not possible to select all data for the same years of record, maps do not represent a "Standard Normal" period, but are generally representative of conditions during 1950's to mid-1970's. However, some ship data as early as the 1850's and land data from the 1890's to 1950's were used to help fill data gaps. The appropriate month's analysis will be shown in each issue. Since the scale is small, these maps can be used only for generalizations over large areas. If detailed statistics are needed, summaries of finer resolution should be used.

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